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XML2 - Find the Maximum Depth ☆

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**Problem**

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You are given a valid XML document, and you have to print the maximum level of nesting in it. Take the depth of the root as 0.

Input Format

The first line contains N , the number of lines in the XML document.

The next N lines follow containing the XML document.

Output Format

Output a single line, the integer value of the maximum level of nesting in the XML document.

Sample Input

```
6
<feed xml:lang='en'>
  <title>HackerRank</title>
  <subtitle lang='en'>Programming challenges</subtitle>
  <link rel='alternate' type='text/html' href='http://hackerrank.com/'/>
  <updated>2013-12-25T12:00:00</updated>
</feed>
```

Sample Output

```
1
```

Explanation

Here, the root is a *feed* tag, which has depth of 0.

The tags *title*, *subtitle*, *link* and *updated* all have a depth of 1.

Thus, the maximum depth is 1.

Author

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Difficulty

Easy

Max Score

20

Submitted By

4444

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Python 3



```
1 import xml.etree.ElementTree as etree
2 maxdepth = -1
3 def depth(elem, level):
4     global maxdepth
5     if (level == maxdepth):
6         maxdepth += 1
7
8     for child in elem:
9         depth(child, level + 1)
```

```
10 ► if __name__ == '__main__':↵
```

Line: 10 Col: 1

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