XML2 - Find the Maximum Depth ★

96/115 challenges solved

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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**.

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```python
1   import xml.etree.ElementTree as etree
2
3   maxdepth = 0
4   def depth(elem, level):
5       global maxdepth
6       # your code goes here
7       level += 1
8       if level > maxdepth:
9           maxdepth = level
10      for child in elem:
11          depth(child, level)
```

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```
11          depth(child, level)
12
13   if __name__ == '__main__':…
```

EMACS   Line: 1 Col: 1

⬆ Upload Code as File   ☐ Test against custom input   Run Code   Submit Code

You have earned 20.00 points!
96/115 challenges solved.

83%

Python
★★★★★

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You solved this challenge. Would you like to challenge your friends?

✓ **Test case 0**

✓ Test case 1

✓ Test case 2 🔒

✓ Test case 3 🔒

✓ Test case 4 🔒

✓ Test case 5 🔒

✓ Test case 6 🔒

Compiler Message

Success

Input (stdin)   Download

```
1  6
2  <feed xml:lang='en'>
3    <title>HackerRank</title>
4    <subtitle lang='en'>Programming challenges</subtitle>
5    <link rel='alternate' type='text/html' href='http://hackerrank.com/'/>
6    <updated>2013-12-25T12:00:00</updated>
7  </feed>
```

Expected Output   Download

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