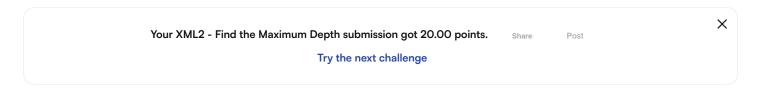
XML2 - Find the Maximum Depth *





Problem Submissions Leaderboard Editorial 🖰

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 \boldsymbol{N} , the number of lines in the XML document.

The next $oldsymbol{N}$ 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

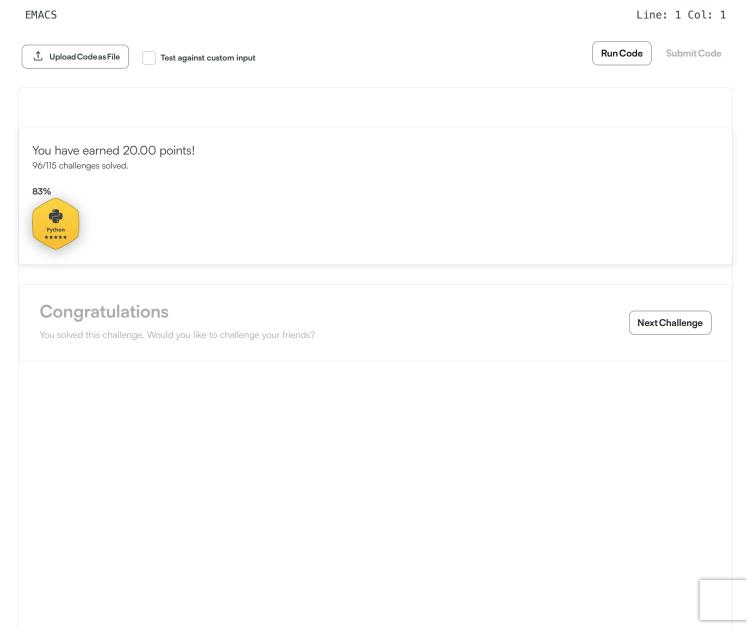
Here, the root is a feed tag, which has depth of ${\bf 0}$.

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

Thus, the maximum depth is 1.

```
Change Theme Language Python 3
    import xml.etree.ElementTree as etree
2
3
    maxdepth = 0
    def depth(elem, level):
4
        global maxdepth
5
        # your code goes here
6
        level += 1
        if level > maxdepth:
8
9
            maxdepth = level
        for child in elem:
                                                                                                                 Privacy - Terms
            don+h/child lovol)
```

12 13 if __name__ == '__main__':…



```
Compiler Message
                  Success

✓ Test case 1

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

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