

```
1 from array import *
2
3 n=int(input())
4 results=array('i',[])
5
6 for i in range(n):
7     x = 0
8     y = 0
9     j = 0
10    string = input()
11    while (x >= y and j < len(string)):
12        if string[j] == "<":
13            x = x + 1
14        if string[j] == ">":
15            y = y + 1
16        j = j + 1
17    if y > x:
18        y = y - 1 # cases like <>>>
19    if x != y:
20        y = 0 # cases like <<<>
21    results.append(y)
22
23 for k in range(len(results)):
24     print(2*results[k])
25
26
```