

434 Number of Segments in a String

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Count the number of segments in a string, where a segment is defined to be a contiguous sequence of non-space characters.

Please note that the string does not contain any **non-printable** characters.

Example:

Input: "Hello, my name is John"

Output: 5

来自 <<https://leetcode.com/problems/number-of-segments-in-a-string/description/>>

统计字符串中的单词个数，这里的单词指的是连续的非空字符。

请注意，你可以假定字符串里不包括任何不可打印的字符。

示例:

输入: "Hello, my name is John"

输出: 5

Solution for Python3:

```
1 class Solution1:
2     def countSegments(self, s):
3         """
4         :type s: str
5         :rtype: int
6         """
7         return len(s.split())
8
9 class Solution2:
10     def countSegments(self, s):
11         """
12         :type s: str
13         :rtype: int
14         """
15         cnt = 0
16         for i in range(len(s)):
17             if (i == 0 or s[i - 1] == ' ') and s[i] != ' ':
18                 cnt += 1
19         return cnt
20
```

Solution for C++:

```
1 class Solution1 {
2 public:
3     int countSegments(string s) {
4         int res = 0;
5         for (int i = 0; i < s.length(); i++) {
6             if (s[i] != ' ' && (i == 0 || s[i - 1] == ' '))
7                 res++;
8         }
9         return res;
10    }
11 };
12
13 class Solution2 {
14 public:
```

```
15     int countSegments(string s) {  
16         return regex_replace(regex_replace(s, regex("\\S+"), "x"), regex(" "),  
17 "").size();  
18     }  
};
```