

## 171 Excel Sheet Column Number

2018年4月3日 19:20

### Question:

Related to question [Excel Sheet Column Title](#)

Given a column title as appear in an Excel sheet, return its corresponding column number.

For example:

A -> 1  
B -> 2  
C -> 3  
...  
Z -> 26  
AA -> 27  
AB -> 28

来自 <https://leetcode.com/problems/excel-sheet-column-number/description/>

与 [Excel表列名称](#) 问题类似。

给定一个Excel表格中的列名称，返回其相应的列序号。

### Solution for Python3:

```
1 class Solution1:
2     def titleToNumber(self, s):
3         """
4         :type s: str
5         :rtype: int
6         """
7         r = 0
8         for i in s:
9             r = r * 26 + ord(i) - ord('A') + 1
10        return r
11
12 class Solution2:
13     def titleToNumber(self, s):
14         """
15         :type s: str
16         :rtype: int
17         """
18         return 0 if s == '' else 26 * self.titleToNumber(s[0:-1]) + ord(s[-1]) - ord('A') + 1
19
20 class Solution3:
21     def titleToNumber(self, s):
22         """
23         :type s: str
24         :rtype: int
25         """
26         from functools import reduce
27         return reduce(lambda x, y: x * 26 + y, [ord(c) - ord('A') + 1 for c in list(s)])
```

### Solution for C++:

```
1 class Solution1 {
2 public:
3     int titleToNumber(string s) {
4         int sum = 0;
5         for (char c : s) {
6             sum = sum * 26 + c - 'A' + 1;
7         }
8         return sum;
9     }
10 };
11
12 class Solution2 {
13 public:
14     int titleToNumber(string s) {
15         return s == "" ? 0 : 26 * titleToNumber(s.substr(0, s.size() - 1)) + s[s.size() - 1] - 'A' + 1;
16     }
17 };
```