

168 Excel Sheet Column Title

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Question:

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

For example:

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

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

给定一个正整数，返回它在Excel表中相对应的列名称。

Solution for Python3:

```
1 class Solution1:
2     def convertToTitle(self, n):
3         """
4         :type n: int
5         :rtype: str
6         """
7         r = ''
8         while n:
9             n -= 1
10            r = chr(ord('A') + (n % 26)) + r
11            n //= 26
12        return r
13
14 # 递归
15 class Solution2:
16     def convertToTitle(self, n):
17         """
18         :type n: int
19         :rtype: str
20         """
21        return '' if n == 0 else self.convertToTitle((n - 1) // 26) + chr((n - 1) % 26 + ord('A'))
```

Solution for C++:

```
1 class Solution1 {
2 public:
3     string convertToTitle(int n) {
4         string r = "";
5         while (n) {
6             r = char((-n % 26) + 'A') + r;
7             n /= 26;
8         }
9         return r;
10    }
11 };
12
13 class Solution2 {
14 public:
15     string convertToTitle(int n) {
16         return n == 0 ? "" : convertToTitle((n - 1) / 26) + (char)((n - 1) % 26 + 'A');
17     }
18 };
19
```