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Problem

171. Excel Sheet Column Number(Easy)

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
...
```

Example 1:

```
Input: "A"
Output: 1
```

Example 2:

```
Input: "AB"
Output: 28
```

Example 3:

```
Input: "ZY"
Output: 701
```

Solution

$O(n)$ time, $O(1)$ space

这道题很简单, 倒不是我给excel写过代码的缘故 (逃

简单分析, 就是一个进制转换的题目, A-Z代表26进制, 即原问题是26进制转10进制的问题

```
class Solution
{
public:
    int titleToNumber(string s)
    {
        if (s.empty())
            return 0;
        int i = 0, j = s.size() - 1;
        int res = 0;
        while (j >= 0)
            res += pow(26, i++) * (s[j--] - 'A'+1);
        return res;
    }
};
```

Corner Cases:

[GitHub传送门](#)