

165. Compare Version Numbers

问题描述: <https://leetcode.com/problems/compare-version-numbers/>

比较版本问题，如果版本1大于版本2返回1，小于则返回2，等于则返回0

解题思路:

依次比较每一个阶段版本

代码:

```
class Solution {
public:
    int compareVersion(string version1, string version2) {
        int l1 = version1.size();
        int l2 = version2.size();
        int i = 0, j = 0;
        int num1 = 0, num2 = 0;
        while(i < l1 || j < l2){
            while(i < l1 && version1.at(i) != '.'){
                num1 = num1*10+version1.at(i)-'0';
                i++;
            }
            i++;
            while(j < l2 && version2.at(j) != '.'){
                num2 = num2*10+version2.at(j)-'0';
                j++;
            }
            j++;
            if(num1 > num2)
                return 1;
            if(num1 < num2)
                return -1;
            num1 = 0; num2 = 0;
        }
        return 0;
    }
};
```