[easy,string]125. Valid Palindrome

Given a string, determine if it is a palindrome, considering only alphanumeric characters and ignoring cases.

For example, `"A man, a plan, a canal: Panama"` is a palindrome. `"race a car"` is *not* a palindrome.

Note: Have you consider that the string might be empty? This is a good question to ask during an interview.

For the purpose of this problem, we define empty string as valid palindrome.

主要是跳过非数字和字符的。

```cpp
class Solution {
public:
    bool isPalindrome(string s) {
        if(s.length()==0||s.length()==1) return true;
        int left=0, right=s.length()-1;
        // 大写转小写
        for(int i=0;i<s.length();i++) {
            char ch = s[i];
            if(ch>='A'&&ch<='Z') ch = 'a' + ch - 'A';
            s[i] = ch;
        }
        while(left<right) {
            char l = s[left++];
            char r = s[right--];

            while(!((l>='a'&&l<='z')||(l>='0'&&l<='9'))&&left<s.length()) {
/// 遇到非字母或者数字的都得跳过
                l = s[left++];
            }
            while(!((r>='a'&&r<='z')||(r>='0'&&r<='9'))&&right>0) {
                r = s[right--];
            }
            if(((l>='a'&&l<='z')||(l>='0'&&l<='9'))&&((r>='a'&&r<='z')||
(r>='0'&&r<='9'))&&r!=l) {  /// 如果是字母或者数字，且不相等，就得返回 false
                return false;
            }
        }
        return true;
    }
};
```