```cpp
bool palindrome(const string& s)
{
    bool result;
    if (s.length() <= 1) {
        result = true;
    }
    else if (s[0] != s[s.length() − 1]) {
        result = false;
    }
    else {
        result = palindrome(s.substr(1, s.length() − 2));
    }
    return result;
}
```