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源代码如下:
#include<iostream>
#include<vector>
using namespace std;
class Solution {
private:
    bool chr_check(vector<int>&a, const char ch, const int k) {
        if (a[ch - 'a'] > 0 \& a[ch - 'a'] < k)
            return true;
       return false;
    void substring_search(string s,const int start,const int end, const
int k, int& ans) {
       vector<int>alphabet(26, 0);
        int start_temp = start,
            end_temp = -1;
       bool flag = false;
        for (int i = start; i <= end; i++)</pre>
            alphabet[s[i] - 'a']++;
       for (int i = start; i <= end; i++) {</pre>
            if (chr_check(alphabet, s[i], k)) {
                flag = true;
                if (i - 1 >= start && !chr_check(alphabet, s[i - 1], k))
                    end temp = i - 1;
                    substring_search(s, start_temp, end_temp, k, ans);
               if (i + 1 \le end \&\& !chr\_check(alphabet, s[i + 1], k)) {
                    start_temp = i + 1;
            }
        if (flag&&!chr_check(alphabet, s[end], k)) {
            substring_search(s, start_temp, end, k, ans);
        if (!flag && ans < end - start+1)</pre>
            ans = end - start + 1;
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public:
    int LongestSubstring(string s, int k) {
        int ans = 0;
        substring_search(s,0,s.size()-1, k,ans);
        return ans;
    }
};
int main()
{
    Solution result;
    string str_input="a";
    int k = 1;
    cout << result.LongestSubstring(str_input, k) << endl;
    return 0;
}</pre>
```