

Sherlock and the Valid String

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#include <bits/stdc++.h>

using namespace std;

/*
 * Complete the 'isValid' function below.
 *
 * The function is expected to return a STRING.
 * The function accepts STRING s as parameter.
 */

string isValid(string s) {
    unordered_map<char,int> freq;
    for(char c:s) freq[c]++;

    unordered_map<int,int> freqCount;
    for(auto &p:freq) freqCount[p.second]++;

    if(freqCount.size()==1) return "YES";
    if(freqCount.size()>2) return "NO";

    auto it=freqCount.begin();
    int f1=it->first,c1=it->second; ++it;
    int f2=it->first,c2=it->second;

    if((f1==1 && c1==1) || (f2==1 && c2==1)) return "YES";
    if(abs(f1-f2)==1 && ((f1>f2 && c1==1) || (f2>f1 && c2==1)))
return "YES";

    return "NO";
}

int main()
{
    ofstream fout(getenv("OUTPUT_PATH"));

    string s;
    getline(cin, s);

    string result = isValid(s);

    fout << result << "\n";
```

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fout.close();  
  
return 0;  
}
```