Highest Value Palindrome

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#include <bits/stdc++.h>
using namespace std;
string ltrim(const string &);
string rtrim(const string &);
vector<string> split(const string &);
 * Complete the 'highestValuePalindrome' function below.
 * The function is expected to return a STRING.
 * The function accepts following parameters:
 * 1. STRING s
 * 2. INTEGER n
 * 3. INTEGER k
 * /
string highestValuePalindrome(string s, int n, int k) {
    string res=s;
    vector<int> diff(n,0);
    int l=0, r=n-1;
    while(l<r) {</pre>
        if(s[l]!=s[r]){
             res[l]=res[r]=max(s[l],s[r]);
            diff[l]=diff[r]=1;
            k--;
        }
        1++;r--;
    if(k<0) return "-1";</pre>
    1=0; r=n-1;
    while (1 \le r \& \& k > 0) {
        if (l==r) {
             if (k>0&&res[1]!='9') {res[1]='9';k--;}
        }else{
             if (res[1]!='9') {
                 if (diff[1] &&k>=1) {res[1]=res[r]='9';k--;}
                 else if(!diff[1]&&k>=2) {res[1]=res[r]='9';k-=2;}
             }
        }
        1++; r--;
    }
```

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return res;
}
int main()
{
    ofstream fout(getenv("OUTPUT PATH"));
    string first multiple input temp;
    getline(cin, first multiple input temp);
    vector<string> first multiple input =
split(rtrim(first multiple input temp));
    int n = stoi(first multiple input[0]);
    int k = stoi(first multiple input[1]);
    string s;
    getline(cin, s);
    string result = highestValuePalindrome(s, n, k);
    fout << result << "\n";</pre>
    fout.close();
    return 0;
}
string ltrim(const string &str) {
    string s(str);
    s.erase(
        s.begin(),
        find if(s.begin(), s.end(), not1(ptr fun<int,</pre>
int>(isspace)))
    );
    return s;
}
string rtrim(const string &str) {
    string s(str);
    s.erase(
```

```
find if(s.rbegin(), s.rend(), not1(ptr fun<int,</pre>
int>(isspace))).base(),
        s.end()
    );
    return s;
}
vector<string> split(const string &str) {
    vector<string> tokens;
    string::size type start = 0;
    string::size type end = 0;
    while ((end = str.find(" ", start)) != string::npos) {
        tokens.push_back(str.substr(start, end - start));
       start = end + 1;
    }
    tokens.push back(str.substr(start));
   return tokens;
}
```