Problem Link:

<https://codeforces.com/problemset/problem/1582/C>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **int** n;
* string s;
* cin >> n >> s;
* **bool** f = **true**;
* **for**(**int** i = 0; i < n / 2; ++i)
* {
* **if**(s[i] != s[n - 1 - i])
* {
* f = **false**;
* **break**;
* }
* }
* **if**(f)
* {
* cout << 0 << **'\n'**;
* **continue**;
* }
* **int** sol = INT\_MAX;
* **for**(**char** c = **'a'**; c <= **'z'**; ++c)
* {
* **int** l = 0, r = n - 1;
* **int** d = 0;
* **bool** v = **true**;
* **while**(l < r)
* {
* **if**(s[l] == s[r])
* {
* ++l;
* --r;
* }
* **else** **if**(s[l] == c)
* {
* ++l;
* ++d;
* }
* **else** **if**(s[r] == c)
* {
* --r;
* ++d;
* }
* **else**
* {
* v = **false**;
* **break**;
* }
* }
* **if**(v)
* sol = min(sol, d);
* }
* cout << (sol == INT\_MAX ? -1 : sol) << **"\n"**;
* }
* **return** 0;
* }