

```

#include <bits/stdc++.h>

#define pb push_back

#include <vector>

#include <set>

#include <map>

using namespace std;

#define ll long long

#define yes cout << "YES"

#define no cout << "NO"

#define nl "\n"

#define loop(i, n) for (int i = 0; i < (int)n; i++)

#define loop1(i, n) for (int i = 1; i <= (int)n; i++)

#define loopab(i, a, b) for (int i = (int)a; i <= (int)b; i++)

#define all(a) (a).begin(), (a).end()

ll MOD = 1e9 + 7;

//(a-b)%m=(a%m-b%m+m)%m

// DIV BY MOD (multiplicative in of b)=pw(b,m-2)%m;

ll pw(ll a, ll b)
{
    if (b == 0)
        return 1;

    ll t = pw(a, b / 2);

    if (b % 2 == 0)
        return 1ll * t * t % MOD;

    else
        return 1ll * t * t * a % MOD;
}

bool isPalindrome(const std::string &s, int start, int end)
{
    while (start < end)

```

```

{
    if (s[start] != s[end])
    {
        return false;
    }
    start++;
    end--;
}
return true;
}
void solve()
{
    ll n;
    cin >> n;
    string s;
    cin >> s;
    if (isPalindrome(s, 0, n - 1))
    {
        cout << 0 << nl;
        return;
    }
    if (isPalindrome(s, 0, n - 2) && isPalindrome(s, 1, n - 1))
    {
        cout << -1 << nl;
        return;
    }
    cout << 1 << nl;
    return;
}

```

```
int main()
{
    ll t = 1;
    cin >> t;
    while (t--)
    {
        solve();
    }
    return 0;
}
```