Problem Link:

<https://codeforces.com/problemset/problem/1791/D>

Solution:

* **#include** <bits/stdc++.h>
* **using** **namespace** std;
* **int** main() {
* **int** t;
* cin >> t;
* **while**(t--) {
* **int** n;
* string s;
* cin >> n >> s;
* **vector<int>** prefix(n), suffix(n);
* **set<char>** seen;
* **for**(**int** i = 0; i < n; ++i)
* {
* seen.insert(s[i]);
* prefix[i] = seen.size();
* }
* seen.clear();
* **for**(**int** i = n - 1; i >= 0; --i)
* {
* seen.insert(s[i]);
* suffix[i] = seen.size();
* }
* **int** res = 0;
* **for**(**int** i = 1; i < n; ++i)
* {
* res = max(res, prefix[i - 1] + suffix[i]);
* }
* cout << res << **"\n"**;
* }
* **return** 0;
* }