Oddness of a String

Problem Submissions

Problem Statement

Oddness of a string is defined as the number of characters in a string with odd number of occurrences. i.e. oddness of string **aacbdafb** is **4**, as characters a, c, d & f occurs odd number of times.

Given a string s of lowercase English letters and a number q for number of queries. For each query, you have to find the oddness of substring from l to r.

Input Format

- First line contains an integer **t**,the number of test cases.
- For each cases, first line contains two integers n & q, representing length of string and number of queries
- second line contains a string s.
- Next q lines contains two integers l and r.

Constraints

- $1 \leq t \leq 10^4$
- $1 \leq n, q \leq 2 \times 10^5$
- $1 \leq l \leq r \leq n$

It is guaranteed that the sum of n all over the test cases doesn't exceed 10^6 and the sum of q all over the test cases doesn't exceed 10^6.

Output Format

For each query in a test case, print the oddness of the substring s[l, r].

Sample Input 0

```
1
8 5
aacbdafb
1 2
1 8
2 3
1 5
6 8
```

Sample Output 0

```
0
4
```

```
2
3
3
```

Contest ends in 1 hour 27 minutes 46 seconds

Submissions: 26
Max Score: 1

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C++

```cpp
#include <cmath>
#include <cstdio>
#include <vector>
#include <iostream>
#include <algorithm>
using namespace std;


int main() {
    /* Enter your code here. Read input from STDIN. Print output to STDOUT */
    return 0;
}
```

Line: 1 Col: 1

Upload Code as File Test against custom input Run Code Submit Code