

Question:- [389. Find the Difference](#)

Solution:-

```
class Solution {  
public:  
    char findTheDifference(string s, string t) {  
        char result = 0;  
        for (char c : s)  
            result ^= c;  
        for (char c : t)  
            result ^= c;  
        return result;  
    }  
};
```

The screenshot displays a code editor interface for a C++ solution. The left sidebar shows the problem status as 'Accepted' with 54/54 testcases passed, submitted by 'Rahul kumar' on Mar 11, 2025. Performance metrics indicate a runtime of 0 ms (100.00% beats) and memory usage of 9.26 MB (51.72% beats). A bar chart shows the runtime distribution across 1ms, 2ms, 3ms, and 4ms. The main editor shows the C++ code for the 'findTheDifference' function, which uses XOR to find the difference character. The 'Testcase' tab shows input strings 's = "aaabacd"' and 't = "acaabda"', resulting in the output 'a'.

```
1 class Solution {  
2 public:  
3     char findTheDifference(string s, string t) {  
4  
5         char result = 0;  
6  
7         for (char c : s)  
8             result ^= c;  
9         for (char c : t)  
10            result ^= c;  
11  
12        return result;  
13    }  
14};
```

Testcase Test Result

Input

s =
"aaabacd"

t =
"acaabda"

Output
"a"