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Mina and Rita

Problem

Submissions

Leaderboard

Discussions

Submitted 18 minutes ago • Score: 20.00

Status: **Accepted**

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
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✓	Test Case #12				

Submitted Code

Language: C++20

Open in editor

```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 int main()
5 {
6     int t;
7     cin >> t;
8
9     while (t--)
10    {
11
12        string a, b;
13        cin >> a >> b;
14
15        int n = a.size();
16        int m = b.size();
17
18        int dp[n + 1][m + 1];
19
20        for (int i = 0; i <= n; i++)
21        {
22            for (int j = 0; j <= m; j++)
23            {
24                if (i == 0 or j == 0)
25                {
26                    dp[i][j] = 0;
27                }
28            }
29        }
30    }
```

```
31     for (int i = 1; i <= n; i++)
32     {
33         for (int j = 1; j <= m; j++)
34         {
35             if (a[i - 1] == b[j - 1])
36             {
37                 dp[i][j] = dp[i - 1][j - 1] + 1;
38             }
39             else
40             {
41                 dp[i][j] = max(dp[i - 1][j], dp[i][j - 1]);
42             }
43         }
44     }
45
46     cout << n + m - dp[n][m] << endl;
47 }
48
49 return 0;
50
51 }
```