字符串最大跨距.md 2025-01-26

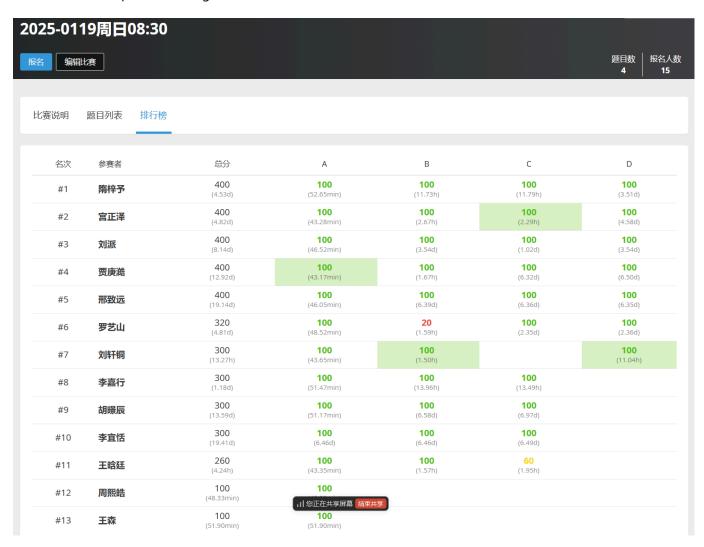
字符串最大跨距

人员

王森、宫正泽、刘派、贾庚澔、胡暻辰、李宜恬 到课, 刘轩铜、邢志远 线上

上周作业检查

上周作业链接: https://www.luogu.com.cn/contest/226294



作业

https://www.luogu.com.cn/contest/228327 (课上讲了 A/B/C 3 道题, 课后作业是 D 题)

课堂表现

今天同学们课上听讲做题都比较认真, 不过大部分同学课上没有全部做完 A、B、C 3 道题, 课下一定要补完这些题。

课堂内容

P2241 统计方形 (数据加强版)

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```
#include <bits/stdc++.h>

using namespace std;

int main()
{
    long long sum1 = 0, sum2 = 0;
    int n, m;
    cin >> n >> m;
    for (int i = 1; i <= n; i++) {
        for (int j = 1; j <= m; j++) {
            sum1 += min(i,j);
            sum2 += i*j;
        }
    }
    cout << sum1 << " " << sum2-sum1 << end1;
    return 0;
}</pre>
```

U498481 字符串最大跨距

```
#include <bits/stdc++.h>
using namespace std;
int main()
{
    string str; cin >> str;
    int pos1 = str.find(","), pos2 = str.rfind(",");
    string s = str.substr(0,pos1);
    string s1 = str.substr(pos1+1, pos2-pos1-1);
    string s2 = str.substr(pos2+1);
    int l = s.find(s1), r = s.rfind(s2);
    if (l==-1 | | r==-1) {
        cout << -1 << endl;</pre>
        return 0;
    }
    int res = r - 1 - s1.size();
    if (res <= 0) cout << -1 << endl;
    else cout << res << endl;</pre>
    return 0;
}
```

U516892 flip

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```
#include <bits/stdc++.h>
using namespace std;
int main()
{
    int T; cin >> T;
   for (int i = 1; i <= T; i++) {
        int n; string s;
        cin >> n >> s;
        int cnt = 0;
        for (int j = 0; j < n; j++) {
            if (s[j] == '1') cnt++;
        }
        if (cnt%2 == 1) cout << -1 << endl;
        else {
            if (cnt != 2) cout << cnt/2 << endl;</pre>
            else {
                int l = s.find("1"), r = s.rfind("1");
                if (l+1 != r) cout << 1 << endl;
                else {
                    if (s=="011" || s=="110") cout << -1 << endl;
                    else if (s == "0110") cout << 3 << endl;
                    else cout << 2 << endl;</pre>
                }
            }
        }
    return 0;
}
```