flip
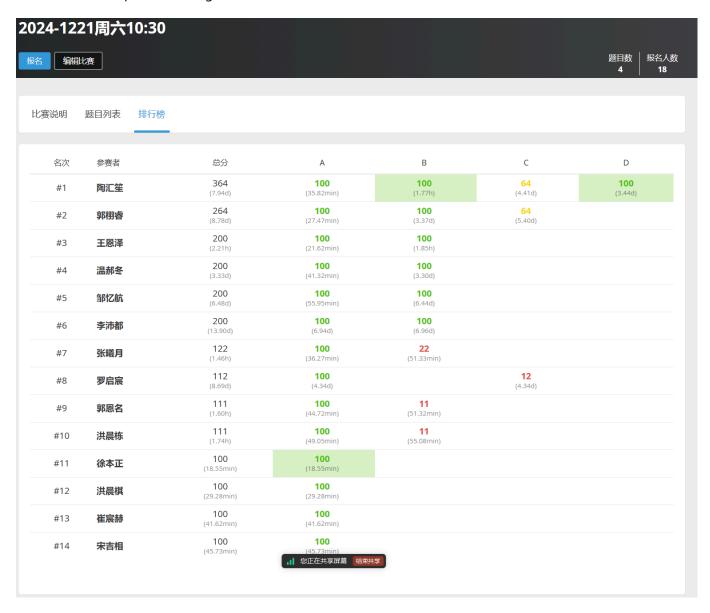
人员

郭栩睿、陶汇笙、邹忆航、洪晨栋、洪晨棋、徐本正、张曦月、李沛都、王恩泽、宋吉相、崔宸赫、王静嘉 到课, 罗启宸 线上

作业检查

上周作业链接: https://www.luogu.com.cn/contest/221036

2024-1221周六10:30

报名　编辑比赛

题目数 **4**　报名人数 **18**

比赛说明　题目列表　排行榜

名次	参赛者	总分	A	B	C	D
#1	陶汇笙	364 (7.94d)	100 (35.82min)	100 (1.77h)	64 (4.41d)	100 (3.44d)
#2	郭栩睿	264 (8.78d)	100 (27.47min)	100 (3.37d)	64 (5.40d)	
#3	王恩泽	200 (2.21h)	100 (21.62min)	100 (1.85h)		
#4	温郝冬	200 (3.33d)	100 (41.32min)	100 (3.30d)		
#5	邹忆航	200 (6.48d)	100 (55.95min)	100 (6.44d)		
#6	李沛都	200 (13.90d)	100 (6.94d)	100 (6.96d)		
#7	张曦月	122 (1.46h)	100 (36.27min)	22 (51.33min)		
#8	罗启宸	112 (8.69d)	100 (4.34d)		12 (4.34d)	
#9	郭恩名	111 (1.60h)	100 (44.72min)	11 (51.32min)		
#10	洪晨栋	111 (1.74h)	100 (49.05min)	11 (55.08min)		
#11	徐本正	100 (18.55min)	100 (18.55min)			
#12	洪晨棋	100 (29.28min)	100 (29.28min)			
#13	崔宸赫	100 (41.62min)	100 (41.62min)			
#14	宋吉相	100 (45.73min)	100 (45.73min)			

您正在共享屏幕　结束共享

作业

https://www.luogu.com.cn/contest/222238

课堂表现

今天的 C 题，许多同学都没有做到一次写对，一定要课下再写一遍进行复习。

课堂内容

B3957 [GESP202403 三级] 完全平方数

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

using namespace std;

const int maxn = 1000 + 5;
int w[maxn];

int main()
{
  int n; cin >> n;
  for (int i = 1; i <= n; ++i) cin >> w[i];

  int res = 0;
  for (int i = 1; i <= n; ++i) {
    for (int j = i+1; j <= n; ++j) {
      int t = w[i] + w[j];

      bool flag = false;
      for (int k = 0; k*k <= t; ++k) {
        if (k*k == t) flag = true;
      }
      if (flag) ++res;
    }
  }
  cout << res << endl;
  return 0;
}
```

B3699 [语言月赛202301] 就要 62

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

using namespace std;

typedef long long LL;

int main()
{
    LL n;
    cin >> n;
    if (n%62 == 0) {
        cout << "Yes";
    } else {
        while (n != 0) {
            int t = n%100;
            if (t == 62) {
```

```
                    cout << "Yes";
                    return 0;
                }
            n /= 10;
        }
        cout << "No";
    }
    return 0;
}
```

AT_abc229_c Cheese

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

using namespace std;

typedef long long LL;
const int maxn = 3e5 + 5;
struct node {
  int a, b;
} w[maxn];

bool cmp(node p, node q) { return p.a > q.a; }

int main()
{
  int n, m; cin >> n >> m;
  for (int i = 1; i <= n; ++i) cin >> w[i].a >> w[i].b;
  sort(w+1, w+n+1, cmp);

  LL res = 0;
  for (int i = 1; i <= n; ++i) {
    if (m >= w[i].b) {
      res += (LL)w[i].a * w[i].b;
      m -= w[i].b;
    } else {
      res += (LL)w[i].a * m;
      break;
    }
  }
  cout << res << endl;
  return 0;
}
```

U516892 flip

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

```cpp
using namespace std;

void solve() {
  int n; cin >> n;
  string str; cin >> str;
  int cnt = 0;
  for (char i : str) {
    if (i == '1') ++cnt;
  }

  if (cnt&1) { cout << -1 << endl; return; }
  if (cnt==0 || cnt>=4) { cout << cnt/2 << endl; return; }

  if (str=="011" || str=="110") { cout << -1 << endl; return; }
  if (str=="0110") { cout << 3 << endl; return; }
  for (int i = 0; i < (int)str.size()-1; ++i) {
    if (str[i]=='1' && str[i+1]=='1') { cout << 2 << endl; return; }
  }
  cout << 1 << endl;
}

int main()
{
  int T; cin >> T;
  while (T -- ) solve();
  return 0;
}
```

P5707 【深基2.例12】上学迟到

$$\left\lceil \frac{a}{b} \right\rceil = \left\lfloor \frac{a+b-1}{b} \right\rfloor$$

$$t = \left\lceil \frac{s}{v} \right\rceil + 10$$

1,

```
0:00              8:00
⌊——?——┘——————⌋
        ?    └——t——⌋
```

2,   0:00

```
0:00              0:00    8:00
⌊—?—┘             └——⌋
   ?    └————t————⌋
```