

模拟题目相关练习

人员

方俊喆、刘祺、牛同泽、赵熙羽、牟茗、齐振玮、夏志赫、武敬哲、夏硕承、辛帅辰、秦显森、徐浩然、谢亚锴、许睿谦 到课，高健桓 线上

作业检查

上周作业链接: <https://www.luogu.com.cn/contest/211485> (E F 2 道题)

名次	参赛者	总分	A	B	C	D	E	F
#1	夏志赫	600 (7.17d)	100 (9.73min)	100 (10.38min)	100 (10.98min)	100 (1.97h)	100 (1.97h)	100 (6.98d)
#2	赵熙羽	600 (12.90d)	100 (27.65min)	100 (40.15min)	100 (1.04h)	100 (1.98h)	100 (6.35d)	100 (6.37d)
#3	谢亚锴	600 (24.86d)	100 (6.96d)	100 (6.99d)	100 (6.99d)	100 (6.95d)	100 (6.99d)	100 (6.96d)
#4	牟茗	560 (14.04d)	100 (21.03min)	100 (26.05min)	60 (41.20min)	100 (1.88h)	100 (6.95d)	100 (6.95d)
#5	刘祺	500 (7.85d)	100 (21.17min)	100 (9.66h)	100 (9.89h)	100 (2.03h)	100 (6.93d)	
#6	武敬哲	500 (13.28d)	100 (22.98min)	100 (26.40min)	100 (57.40min)	100 (6.99d)	100 (6.21d)	
#7	牛同泽	500 (20.71d)	100 (26.23min)	100 (6.85d)	100 (6.86d)	100 (2.05h)	100 (6.91d)	
#8	高健桓	450 (6.60d)	100 (23.87min)	100 (41.32min)	100 (1.23h)	100 (2.02h)	50 (6.42d)	
#9	柳力玮	410 (2.54d)	100 (22.10min)	100 (41.85min)	100 (1.07h)	100 (1.98h)	10 (2.37d)	
#10	辛帅辰	400 (6.59d)	100 (17.83min)	100 (1.12h)	100 (1.22h)	100 (6.48d)		
#11	夏硕承	300 (20.16d)	100 (6.98d)	100 (6.98d)		100 (6.19d)		
#12	齐振玮	280 (3.07h)	100 (26.30min)	80 (40.62min)		100 (1.96h)		
#13	方俊喆	200 (1.16h)	100 (27.20min)	100 (42.27min)				

您正在共享屏幕 结束共享

作业

<https://www.luogu.com.cn/contest/212801>

课堂表现

今天针对一些一维数组的题进行了一些题目练习，暴露出了一部分同学基础掌握的不扎实，这一部分同学课下一定要勤复习。

课堂内容

U492934 找整数

```
#include <iostream>
using namespace std;
int cnt[10];
int main() {
    int x, y;
    cin >> x >> y;
    for (int i = x; i <= y; i++) {
        int t = i*i;
        if (t>=1000000 && t<10000000) {
            for (int j = 0; j <= 9; j++) {
                cnt[j] = 0;
            }
            while (t != 0) {
                cnt[t%10]++;
                t /= 10;
            }

            int cnt2 = 0;
            for (int j = 0; j <= 9; j++) {
                if (cnt[j] == 1) {
                    cnt2++;
                }
            }

            if (cnt2 == 7) {
                cout << i << endl;
            }
        }
    }
    return 0;
}
```

U489779 洗牌2

```
int a[maxn];
int n;

void solve1() {
    // 1: 1 ~ n/2    2: n/2+1 ~ n
    vector<int> vec;

    for (int i=1,j=n/2+1; i<=n/2; i++,j++) {
        vec.push_back(a[i]);
        vec.push_back(a[j]);
    }

    把 vec 里面的数重新拷贝到 a 数组中

}
```

```
void solve2(int l, int r) {
    vector<int> vec;

    for (int i = l; i <= r; i++) a[i] -> vec
    for (int i = 1; i <= l-1; i++) a[i] -> vec
    for (int i = r+1; i <= n; i++) a[i] -> vec

    把 vec 里面的数重新拷贝到 a 数组中
}
```

P1094 [NOIP2007 普及组] 纪念品分组

```
#include <bits/stdc++.h>
using namespace std;

const int N = 3*1e4+10;
int a[N];

int main()
{
    int n,w;cin>>n>>w;
    for (int i = 1;i <= w;i++)
    {
        cin>>a[i];
    }
    sort (a+1,a+w+1);
    int cnt = 0,l = 1;
    int y = w;
    while (l <= y)
    {
        if (a[l]+a[y] <= n) l++,y--,cnt++;
        else y--,cnt++;
    }
    cout<<cnt;
    return 0;
}
```

[ABC230B] Triple Metre

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

using namespace std;

int main()
{
    string s;
    for (int i = 1; i <= 100000; i++) s += "oxx";
}
```

```
string t; cin >> t;
if (s.find(t) != string::npos) cout << "Yes" << endl;
else cout << "No" << endl;
return 0;
}
```