回文数

人员

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上周作业检查

上周作业链接: https://www.luogu.com.cn/contest/214162

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报名 编辑比赛

题目数 10 | 报名人数 23

比赛说明 题目列表 排行榜

名次	参赛者	总分	A	B	C	D	E	F	G	H	I	J
#1	韩昱辰	1000 (20.24h)	100 (38.20min)	100 (1.05h)	100 (1.25h)	100 (1.24h)	100 (1.75h)	100 (1.58h)	100 (1.86h)	100 (2.01h)	100 (2.27h)	100 (6.60h)
#2	刘轩铜	1000 (2.41d)	100 (45.75min)	100 (1.07h)	100 (1.26h)	100 (1.33h)	100 (1.52h)	100 (11.37h)	100 (2.06h)	100 (12.40h)	100 (12.48h)	100 (13.58h)
#3	谢梓轩	1000 (5.06d)	100 (38.02min)	100 (1.08h)	100 (1.14h)	100 (1.24h)	100 (1.44h)	100 (1.66h)	100 (1.80h)	100 (1.97h)	100 (2.03h)	100 (4.52d)
#4	苑钊	1000 (19.16d)	100 (1.14d)	100 (1.15d)	100 (2.45d)	100 (2.45d)	100 (1.27d)	100 (2.20d)	100 (1.48d)	100 (2.19d)	100 (2.42d)	100 (2.42d)
#5	贾庚澔	1000 (19.36d)	100 (1.15h)	100 (1.47h)	100 (1.52h)	100 (1.60h)	100 (8.27h)	100 (1.95h)	100 (6.10d)	100 (6.11d)	100 (8.34h)	100 (6.13d)
#6	王晗廷	1000 (24.45d)	100 (6.01d)	100 (1.14h)	100 (1.22h)	100 (1.25h)	100 (1.45h)	100 (1.68h)	100 (1.98h)	100 (6.02d)	100 (6.02d)	100 (6.03d)
#7	燕润石	950 (2.02d)	100 (38.07min)	100 (1.09h)	100 (1.19h)	100 (1.23h)	100 (1.85h)	100 (9.24h)	100 (2.23h)	100 (9.42h)	100 (9.47h)	50 (12.13h)
#8	李宜恬	910 (24.52d)	100 (38.45min)	100 (1.09h)	100 (1.35h)	100 (1.76h)	100 (2.50d)	100 (2.50d)	100 (3.42d)	60 (3.43d)	100 (6.23d)	50 (6.25d)
#9	郭浩宇	900 (19.14h)	100 (56.95min)	100 (1.05h)	100 (1.37h)	100 (1.56h)	100 (1.97h)	100 (2.23h)	100 (3.31h)	100 (3.33h)	100 (3.38h)	
#10	邢致远	800 (16.22d)	100 (1.12h)	100 (1.06h)	100 (1.36h)	100 (1.41h)	100 (1.98h)	100 (5.29d)		100 (5.31d)	100 (5.32d)	
#11	周熙皓	778 (1.96d)	100 (35.95min)	100 (1.08h)	100 (1.17h)	100 (1.24h)	100 (1.85h)	100 (1.53d)		78 (2.13h)	100 (2.05h)	
#12	罗艺山	760 (23.40d)	100 (1.25h)	100 (1.42h)	100 (1.61h)	100 (1.75h)		100 (5.55d)	100 (5.56d)	60 (5.58d)	100 (6.46d)	
#13	王森	600 (22.37h)	100 (33.67min)	100 (1.08h)	100 (1.39h)	100 (1.69h)			100 (5.86h)	100 (11.79h)		
#14	隋梓予	600 (19.21d)	100 (4.51d)	100 (1.41h)		100 (1.87h)	100 (4.51d)	100 (4.51d)			100 (5.55d)	
#15	李嘉行	600 (24.86d)		100 (5.35d)	100 (5.36d)	100 (5.37d)	100 (5.38d)	100 (6.16d)				100 (5.39d)
#16	郭韩	572 (13.50d)	100 (38.95min)	100 (1.09h)	100 (1.35h)	100 (1.44h)	100 (2.07h)			22 (6.61d)	50 (6.61d)	
#17	王奕皓	500 (7.04h)	100 (44.70min)	100 (55.65min)	100 (1.39h)	100 (1.74h)			100 (2.24h)			
#18	刘梓勋	400 (24.86d)		100 (6.30d)	100 (6.30d)	100 (6.30d)	100 (6.30d)					
#19	胡曝辰	200 (3.20h)	100 (1.70h)	100 (1.50h)								
#20	王馨琪	100 (2.53d)	100 (2.53d)									
#21	Blue_wonders	0 (0ms)										

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作业

https://www.luogu.com.cn/contest/215732

课堂表现

今天课上有很多同学对于拆数还不熟的，这些同学课下一定要好好复习一下拆数的内容。

课堂内容

U493757 数的排序

```
#include<bits/stdc++.h>
using namespace std;
int a[100005],n,b[100005],c;
int main()
{
    cin>>n;
    for(int i=1;i<=n;i++) {
        cin>>a[i];
    }
    for(int i=1;i<=n;i++)
    {
        int sum = 0;
        while(c)
        {
            sum+=c%10;
            c/=10;
        }
        b[i] = sum;
    }
    sort(b+1,b+n+1);
    for(int i=1;i<=n;i++) {
        cout<<b[i]<<" ";
    }
    cout<<endl;
}
```

U493751 判断是否排好队

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

using namespace std;

const int maxn = 10 + 5;
int w[maxn];
int a[maxn];

int main()
```

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

    sort(w+1, w+n+1);
    bool flag = true;
    for (int i = 1; i <= n; ++i) {
        if (a[i] != w[i]) flag = false;
    }
    if (flag == true) {
        cout << "Good" << endl;
        return 0;
    }

    reverse(w+1, w+n+1);
    flag = true;
    for (int i = 1; i <= n; ++i) {
        if (a[i] != w[i]) flag = false;
    }
    if (flag == true) {
        cout << "Good" << endl;
        return 0;
    }

    cout << "No" << endl;
    return 0;
}
```

U493749 分数线划定

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

using namespace std;

int a[1005];

int main()
{
  int n; cin >> n;
  for (int i = 1; i <= n; ++i) {
    cin >> a[i];
  }
  int x; cin >> x;
  sort(a+1, a+n+1);
  reverse(a+1, a+n+1);
  cout << a[x] << endl;
  return 0;
}
```

U493753 加工

```
#include<bits/stdc++.h>
using namespace std;
int a[101];
int main(){
    int m,n;
    cin>>m>>n;
    for(int i=1;i<=n;i++){
        cin>>a[i];
    }
    if(m==0){
        cout<<"0";
        return 0;
    }
    sort(a+1,a+n+1);
    int j=0;
    for(int i=n;i>=1;i--){
        if(m>0){
        m-=a[i];
        j++;
        }
    }
    if(m<=0){
        cout<<j;
    }
    else {
        cout<<"NO";
    }
    return 0;
}
```

U506954 数字之和为13的整数

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

using namespace std;

int main()
{
    int n;
    cin >> n;
    int cnt = 0;
    for (int i = 1; i <= n; i++) {
        int sum = 0, t = i;
        while (t != 0) {
            sum += t%10;
            t /= 10;
        }
        if (sum == 13) {
```

```
            cnt++;
        }
    }

    cout << cnt << endl;
    return 0;
}
```

U504508 去掉x个最高最低分后的平均分

```
#include<iostream>
#include<algorithm>
#include<cstdio>
using namespace std;
int a[10005];
int main(){
    int n,x;
    cin>>n>>x;
    for(int i=1;i<=n;i++){
        cin>>a[i];
    }
    sort(a+1,a+n+1);
    int sum = 0, cnt = 0;
    for(int i=x+1;i<=n-x;i++){
        cnt++;
        sum+=a[i];
    }
    printf("%.1f",1.0*sum/cnt);
    return 0;
}
```

U506943 回文数

```
cin >> n;
int cnt = 0;
while (true) {
    求 n 的反转数 sum  ->  把这一步做出来
    n: 3927

    int sum = 0, x = n;
    while (x != 0) {
        int t = x%10;
        sum = sum*10 + t;
        x /= 10;
    }
    sum 就是 n 的反转数

    if (n == sum) {
```

```
            break;
        } else {
            n += sum;
            cnt++;
        }
    }
    cout << cnt << endl;
```