

# 高精加 + 高精乘

## 人员

谢梓轩、初锦阳、李知朔、田心一、李瑞涵、周沁言、赵牧之、纪博涵、王馨琪、刘子轩、柳力玮、韩昱辰、苑钊、燕润石、温郝冬、吴念远、姜皓轩 到课

## 上周作业检查

上周作业链接: <https://www.luogu.com.cn/contest/230039>

2025-0209周日15:30

报名

编辑比赛

题目数

5

报名人数

16

比赛说明

题目列表

排行榜

名次	参赛者	总分	A	B	C	D	E
#1	柳力玮	470 (5.19h)	100 (10.98min)	100 (15.62min)	100 (54.07min)	100 (1.74h)	70 (2.10h)
#2	李瑞涵	470 (5.73h)	100 (15.05min)	100 (25.48min)	100 (1.12h)	100 (1.93h)	70 (2.00h)
#3	田心一	468 (11.37h)	100 (13.30min)	100 (19.18min)	100 (4.29h)	100 (1.89h)	68 (4.65h)
#4	刘子轩	412 (6.36h)	100 (18.48min)	100 (25.35min)	100 (56.15min)	100 (1.81h)	12 (2.89h)
#5	谢梓轩	399 (8.90h)	100 (22.10min)	100 (33.15min)	87 (1.42h)	100 (4.63h)	12 (1.93h)
#6	初锦阳	332 (5.33h)	100 (14.73min)	100 (23.63min)	100 (1.04h)	20 (1.77h)	12 (1.87h)
#7	温郝冬	316 (4.24h)	100 (22.85min)	100 (30.67min)	100 (1.41h)	16 (1.94h)	
#8	燕润石	316 (19.68h)	100 (23.93min)	100 (37.10min)	100 (16.99h)	16 (1.67h)	
#9	王馨琪	300 (2.19h)	100 (24.68min)	100 (36.97min)	100 (1.16h)		
#10	韩昱辰	300 (14.99d)	100 (4.98d)	100 (4.99d)	100 (5.01d)		
#11	宋云朗	236 (5.21h)	100 (24.92min)	100 (53.62min)	24 (2.02h)		12 (1.88h)
#12	李知朔	200 (53.57min)	100 (22.90min)	100 (30.67min)			

## 作业

课上题目: <https://www.luogu.com.cn/contest/230957>

课后作业: <https://www.luogu.com.cn/contest/231367>

## 课堂表现

同学们这节课说话有点多, 调代码静不下心, 以后要进行改正

## 课堂内容

**U532369 transmit**

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

using namespace std;

const int maxn = 2e5 + 5;
int w[maxn], p[maxn];

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

    int id = 1;
    for (long long i = 1; i <= k; i++) {
        id = w[id];
        if (p[id] != 0) {
            int t = i - p[id];
            k -= i;
            k %= t;
            for (int j = 1; j <= k; j++) {
                id = w[id];
            }
            cout << id << endl;
            return 0;
        } else {
            p[id] = i;
        }
    }
    cout << id << endl;
    return 0;
}
```

**P1601 A+B Problem (高精)**

```
#include <bits/stdc++.h>
const int N=550;
using namespace std;

string add(string a,string b)
{
    int shu1[N],shu2[N],ans[N];
    memset(shu1,0,sizeof(shu1));
    memset(shu2,0,sizeof(shu2));
    memset(ans,0,sizeof(ans));
    reverse(a.begin(),a.end());
    reverse(b.begin(),b.end());
```

```

int lena=a.size();
int lenb=b.size();
int len=max(lena,lenb);
for(int i=0;i<lena;i++) shu1[i]=a[i]-48;
for(int i=0;i<lenb;i++) shu2[i]=b[i]-48;
for(int i=0;i<len;i++)
{
    ans[i]+=shu1[i]+shu2[i];
    if(ans[i]>=10)
    {
        ans[i+1]+=ans[i]/10;
        ans[i]%=10;
    }
}
if(ans[len]) len++;
string res="";
for(int i=len-1;i>=0;i--) res+=char(ans[i]+48);
return res;
}
int main()
{
    string s1,s2;
    cin>>s1>>s2;
    cout<<add(s1,s2);
    return 0;
}

```

### P1303 A\*B Problem

```

#include <bits/stdc++.h>
const int N=2050;
using namespace std;

string cheng(string a,string b)
{
    int shu1[N],shu2[N],ans[N*2];
    memset(shu1,0,sizeof(shu1));
    memset(shu2,0,sizeof(shu2));
    memset(ans,0,sizeof(ans));
    reverse(a.begin(),a.end());
    reverse(b.begin(),b.end());
    int lena=a.size();
    int lenb=b.size();
    int len=lena+lenb;
    for(int i=0;i<lena;i++) shu1[i]=a[i]-48;
    for(int i=0;i<lenb;i++) shu2[i]=b[i]-48;
    for(int i=0;i<lena;i++)
    {
        for(int j=0;j<lenb;j++)
        {
            ans[i+j]+=shu1[i]*shu2[j];

```

```
    }
}
for(int i=0;i<len;i++)
{
    if(ans[i]>=10)
    {
        ans[i+1]+=ans[i]/10;
        ans[i]%=10;
    }
}
while(ans[len-1]==0&&len>1) len--;
string res="";
for(int i=len-1;i>=0;i--) res+=char(ans[i]+48);
return res;
}
int main()
{
    string s1,s2;
    cin>>s1>>s2;
    cout<<cheng(s1,s2);
    return 0;
}
```