

# 字母右移变化

## 人员

管怡达、周尚融、王子涵、于马禾祥、张和嘉、孙鹤轩、张原宁、潘奕成、王奕辰、唐敬瑶、刘逸、王梓钧、张祐嘉、张瑞熙、刘维重、王伯安 到课

## 作业检查

上周作业链接: <https://www.luogu.com.cn/contest/221141>

2024-1221周六15:30

报名

编辑比赛

题目数10 | 报名人数22

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	张祐嘉	1000 (13.72h)	100 (1.04h)	100 (1.06h)	100 (1.07h)	100 (1.12h)	100 (1.13h)	100 (1.15h)	100 (1.26h)	100 (2.09h)	100 (1.48h)	100 (2.32h)
#2	窦杨子	1000 (14.76h)	100 (1.05h)	100 (1.06h)	100 (1.13h)	100 (1.16h)	100 (1.68h)	100 (1.03h)	100 (1.39h)	100 (2.52h)	100 (1.50h)	100 (2.24h)
#3	张和嘉	1000 (16.49h)	100 (1.08h)	100 (1.12h)	100 (1.14h)	100 (1.21h)	100 (2.27h)	100 (2.31h)	100 (1.28h)	100 (2.23h)	100 (1.41h)	100 (2.45h)
#4	王奕辰	1000 (17.65h)	100 (1.04h)	100 (1.15h)	100 (1.04h)	100 (1.10h)	100 (1.10h)	100 (1.11h)	100 (1.25h)	100 (6.16h)	100 (1.64h)	100 (2.06h)
#5	张瑞熙	1000 (1.66d)	100 (1.11h)	100 (2.84h)	100 (5.35h)	100 (1.08h)	100 (2.23h)	100 (1.03h)	100 (1.52h)	100 (20.99h)	100 (1.48h)	100 (2.33h)
#6	周尚融	1000 (3.79d)	100 (1.08h)	100 (1.09h)	100 (1.12h)	100 (1.16h)	100 (1.10h)	100 (1.08d)	100 (1.50h)	100 (1.26d)	100 (1.77h)	100 (1.08d)
#7	管怡达	1000 (15.00d)	100 (1.03h)	100 (1.07h)	100 (1.06h)	100 (1.11h)	100 (1.04h)	100 (1.08h)	100 (1.24h)	100 (6.30d)	100 (4.19d)	100 (4.19d)
#8	王梓钧	1000 (18.48d)	100 (1.09h)	100 (1.23d)	100 (1.11h)	100 (1.24d)	100 (2.24d)	100 (6.74d)	100 (1.71h)	100 (1.58h)	100 (1.54h)	100 (6.75d)
#9	刘逸	1000 (18.82d)	100 (1.20h)	100 (1.22h)	100 (6.11d)	100 (1.57h)	100 (1.59h)	100 (6.12d)	100 (1.48h)	100 (6.14d)	100 (1.69h)	100 (2.05h)
#10	王伯安	980 (1.27d)	100 (1.10h)	100 (1.11h)	100 (1.14h)	100 (1.21h)	100 (1.57h)	100 (1.54h)	100 (1.26h)	80 (16.65h)	100 (1.46h)	100 (3.39h)
#11	胡瑾泽	980 (24.86d)	100 (2.16d)	100 (2.16d)	100 (2.17d)	100 (2.17d)	80 (2.18d)	100 (2.19d)	100 (3.16d)	100 (3.19d)	100 (3.15d)	100 (3.15d)
#12	于马禾祥	970 (4.08d)	100 (17.22h)	100 (1.07h)	100 (1.09h)	100 (17.39h)	100 (1.11h)	100 (18.66h)	100 (1.28h)	70 (19.21h)	100 (2.11h)	100 (18.83h)
#13	唐敬瑶	920 (24.86d)	100 (1.08h)	100 (1.14h)	100 (6.79d)	100 (6.80d)	100 (6.89d)	100 (6.90d)	100 (6.79d)	20 (6.91d)	100 (6.83d)	100 (6.94d)
#14	王子涵	768 (13.85h)	100 (1.03h)	100 (1.08h)	100 (1.07h)	32 (1.13h)	70 (1.59h)	100 (1.04h)	100 (1.25h)	30 (1.99h)	80 (1.48h)	56 (2.18h)
#15	孙鹤轩	642 (24.86d)	100 (1.09h)	100 (1.18h)	100 (5.24d)	100 (6.96d)			100 (1.26h)		100 (6.23d)	42 (7.00d)
#16	张原宁	638 (2.48d)	100 (1.16h)	100 (1.16h)	100 (1.17h)	68 (1.22h)			100 (1.51h)		100 (1.75h)	70 (2.15d)
#17	孙以诺	470 (1.58d)	100 (1.06h)		100 (1.13h)		100 (16.29h)		100 (1.27h)	10 (1.71h)	60 (16.49h)	
#18	刘维重	460 (7.60h)	100 (1.55h)	100 (1.54h)	100 (1.52h)				100 (1.26h)		60 (1.74h)	
#19	wangwenbo123	300 (20.32d)	100 (6.77d)	100 (6.77d)	100 (6.78d)							
#20	潘奕成	280 (3.99h)	100 (1.08h)	80 (1.17h)					100 (1.74h)			

# 作业

<https://www.luogu.com.cn/contest/222337>

## 课堂表现

这节课做题用到了之前的一些知识点，许多同学已经遗忘了很多内容了，导致做题不熟练，所以同学们课下一定要养成复习的习惯。

## 课堂内容

### U514904 三元素

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

using namespace std;

int main() {
    int a, b, c;
    cin >> a >> b >> c;
    if (a > b) {
        swap(a, b);
    }
    if (a > c) {
        swap(a, c);
    }
    if (b > c) {
        swap(b, c);
    }

    if (b-a == c-b) {
        cout << "Yes";
    }
    else {
        cout << "No";
    }
    return 0;
}
```

### P5707 【深基2.例12】上学迟到

```
#include<iostream>
#include<iomanip>
using namespace std;
int main(){
    int s, v;
    cin >> s >> v;
    int t;
    if (s%v == 0) {
```

```
        t = s/v + 10;
    } else {
        t = s/v+1 + 10;
    }

    int x;
    if (t <= 480) {
        x = 480 - t;
    } else {
        x = 32*60 - t;
    }

    int h = x/60, m = x%60;
    cout << setw(2) << setfill('0') << h;
    cout << ":";
    cout << setw(2) << setfill('0') << m;
    cout << endl;
    return 0;
}
```

### B2044 有一门课不及格的学生

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

int main(){
    int a,b,c;
    cin>>a>>b>>c;
    int x=0;
    if(a<60){
        x++;
    }
    if(b<60){
        x++;
    }
    if(c<60){
        x++;
    }
    if(x==1){
        cout<<1;
    }
    else{
        cout<<0;
    }
    return 0;
}
```

### P5710 【深基3.例2】数的性质

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

using namespace std;

int main() {
    int n; cin >> n;
    int a, b;
    if (n%2==0) {
        a = 1;
    } else {
        a = 0;
    }
    if (n>4 && n<=12) {
        b = 1;
    } else {
        b = 0;
    }

    if (a==1 && b==1){
        cout << 1 << " ";
    } else {
        cout << 0 << " ";
    }

    if (a==1 || b==1) {
        cout << 1 << " ";
    } else {
        cout << 0 << " ";
    }

    if ((a==1&&b==0) || (a==0&&b==1)) {
        cout << 1 << " ";
    } else {
        cout << 0 << " ";
    }

    if (a==0 && b==0) {
        cout << 1 << endl;
    } else {
        cout << 0 << endl;
    }
    return 0;
}
```

## U514674 右边 6 位的字母

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

using namespace std;
```

```
int main() {
    char a;
    cin >> a;
    if (a+6 > 'Z') {
        cout << "!";
    } else {
        cout << char(a+6);
    }
    return 0;
}
```

## U514679 右边的字母

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

using namespace std;

int main() {
    char a;
    int x;
    cin >> a >> x;
    x %= 26;

    if (a+x > 'Z') {
        cout << char(a+x-26) << endl;
    } else {
        cout << char(a+x) << endl;
    }
    return 0;
}
```

## P5716 【深基3.例9】月份天数

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

using namespace std;

int main() {
    int y, m; cin >> y >> m;
    if (m==1 || m==3 || m==5 || m==7 || m==8 || m==10 || m==12) {
        cout << 31;
    }
    else if (m==4 || m==6 || m==9 || m==11) {
        cout << 30;
    }
    else {
        if (y%400==0 || (y%4==0&&y%100!=0)) {
            cout << 29;
        }
    }
}
```

```
    }  
    else {  
        cout << 28;  
    }  
}  
return 0;  
}
```

### P5717 【深基3.习8】三角形分类

```
#include<bits/stdc++.h>  
  
using namespace std;  
  
int main() {  
    int a, b, c;  
    cin >> a >> b >> c;  
    if (a > b) swap(a, b);  
    if (a > c) swap(a, c);  
    if (b > c) swap(b, c);  
  
    if (a+b <= c) cout << "Not triangle" << endl;  
    else {  
        if (a*a + b*b == c*c) cout << "Right triangle" << endl;  
        if (a*a + b*b > c*c) cout << "Acute triangle" << endl;  
        if (a*a + b*b < c*c) cout << "Obtuse triangle" << endl;  
        if (a==b || b==c) cout << "Isosceles triangle" << endl;  
        if (a==c) cout << "Equilateral triangle" << endl;  
    }  
    return 0;  
}
```