

```
// 5数の和 A
#include <stdio.h>
int main( void ){
    int a, b, c, d, e;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    printf( "%d\n", a+b+c+d+e );
    return 0;
}
```

```
// 5数の最大値 B
#include <stdio.h>
int main( void ){
    int a, b, c, d, e, max;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    max = a;
    if( max<b ) max = b;
    if( max<c ) max = c;
    if( max<d ) max = d;
    if( max<e ) max = e;
    printf( "%d\n", max );
    return 0;
}
```

```
// 5数の最小値 c
#include <stdio.h>
int main( void ){
    int a, b, c, d, e, min;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    min = a;
    if( b<min ) min = b;
```

```
    if( c<min ) min = c;
    if( d<min ) min = d;
    if( e<min ) min = e;
    printf( "%d\n", min );
    return 0;
}
```

```
// 5数中の奇数の和 D
#include <stdio.h>
int main( void ){
    int a, b, c, d, e, sum=0;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    if( a%2!=0 ) sum += a;
    if( b%2!=0 ) sum += b;
    if( c%2!=0 ) sum += c;
    if( d%2!=0 ) sum += d;
    if( e%2!=0 ) sum += e;
    printf( "%d\n", sum );
    return 0;
}
```

```
// 5数中の奇数の個数 E
#include <stdio.h>
int main( void ){
    int a, b, c, d, e, count=0;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    if( a%2!=0 ) count++;
    if( b%2!=0 ) count++;
    if( c%2!=0 ) count++;
    if( d%2!=0 ) count++;
    if( e%2!=0 ) count++;
    printf( "%d\n", count );
    return 0;
}
```

```
// 5数の平均 F
#include <stdio.h>

int main( void ){
    int a, b, c, d, e;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    printf( "%.1f\n", (a+b+c+d+e)/5.0 );
    return 0;
}
```

```
// 5数の最大値・最小値 G
#include <stdio.h>
int main( void ){

    int a, b, c, d, e, min, max;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    min = max = a;
    if( max<b ) max = b;
    if( max<c ) max = c;
    if( max<d ) max = d;
    if( max<e ) max = e;
    if( b<min ) min = b;
    if( c<min ) min = c;
    if( d<min ) min = d;
    if( e<min ) min = e;
    printf( "%d\n", max );
    printf( "%d\n", min );
    return 0;
}
```

```
// 5数の、最小値と2番目に小さい数 H
#include <stdio.h>
int main( void ){
```

```
    int a, b, c, d, e, min, min2;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    if( a<b ){
        min = a; min2 = b;
    } else {
        min = b; min2 = a;
    }
    if( c<min ){
        min2 = min;
        min = c;
    }else if( c<min2 ){
        min2 = c;
    }
    if( d<min ){
        min2 = min;
        min = d;
    }else if( d<min2 ){
        min2 = d;
    }
    if( e<min ){
        min2 = min;
        min = e;
    }else if( e<min2 ){
        min2 = e;
    }
    printf( "%d\n", min );
    printf( "%d\n", min2 );
    return 0;
}
```

```
// 5数の、最大値と2番目に大きい数 I
#include <stdio.h>
int main( void ){
    int a, b, c, d, e, max, max2;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
```

```

if( a<b ){
    max = b; max2 = a;
} else {
    max = a; max2 = b;
}
if( max<c ){
    max2 = max;
    max= c;
}else if( max2<c ){
    max2 = c;
}
if( max<d ){
    max2 = max;
    max = d;
}else if( max2<d ){
    max2 = d;
}
if( max<e ){
    max2 = max;
    max = e;
}else if( max2<e ){
    max2 = e;
}
printf( "%d\n", max );
printf( "%d\n", max2 );
return 0;
}

```

// 体操競技の得点 J

```

#include <stdio.h>
int main( void ){
    int a, b, c, d, e, min, max;
    scanf( "%d", &a );
    scanf( "%d", &b );
    scanf( "%d", &c );
    scanf( "%d", &d );
    scanf( "%d", &e );
    min = max = a;
    if( max<b ) max = b;
    if( max<c ) max = c;
    if( max<d ) max = d;
    if( max<e ) max = e;
    if( b<min ) min = b;
    if( c<min ) min = c;

```

```

if( d<min ) min = d;
if( e<min ) min = e;
printf( "%d\n", (a+b+c+d+e)-(max+min) );
return 0;
}

```

// n個の整数の最大値・最小値 O

```

#include <stdio.h>
int main( void ){
    int count, data, i, max, min;
    scanf( "%d", &count );
    scanf( "%d", &data );
    max = min = data;
    for( i=1; i<count; i++ ){
        scanf( "%d", &data );
        if( max<data ) max = data;
        if( data<min ) min = data;
    }
    printf( "%d\n", max );
    printf( "%d\n", min );
    return 0;
}

```

// n個の整数の合計値・平均値 P

```

#include <stdio.h>
int main( void ){
    int count, data, i, sum = 0;
    scanf( "%d", &count );
    for( i=0; i<count; i++ ){
        scanf( "%d", &data );
        sum += data;
    }
    printf( "%d %.1f\n", sum, (double)sum/count );
    return 0;
}

```

// n個の整数ペアとその最大組 Q

```

#include <stdio.h>
int main( void ){
    int count, id, data, i, max, pos;
    scanf( "%d", &count );

```

```

scanf( "%d %d", &id, &data );
pos = id;
max = data;
for( i=1; i<count; i++){
    scanf( "%d %d", &id, &data );
    if( max<data ){
        pos = id;
        max = data;
    }
}
printf( "%d\n", pos );
return 0;

```

}

// 平均点 2013 JOI予選1 R

```

#include <stdio.h>
int main( void ){
    int a, b, c, d, e;
    scanf( "%d", &a ); if( a<40 ) a=40;
    scanf( "%d", &b ); if( b<40 ) b=40;
    scanf( "%d", &c ); if( c<40 ) c=40;
    scanf( "%d", &d ); if( d<40 ) d=40;
    scanf( "%d", &e ); if( e<40 ) e=40;
    printf( "%d\n", (a+b+c+d+e)/5 );
    return 0;
}

```

}

// レシート 2009 JOI予選2 S

```

#include <stdio.h>
int main( void ){
    int data, i, sum, sum9=0;
    scanf( "%d", &sum );
    for(i=0;i<9;i++){
        scanf( "%d", &data );
        sum9 += data;
    }
    printf( "%d\n", sum-sum9 );
    return 0;
}

```

}

// ダーツ T

```

#include <stdio.h>
int main( void ){
    int sum=0, point, mag, i;
    for( i=0; i<3; i++){
        scanf( "%d %d", &point, &mag );
        sum += point*mag;
    }
    printf( "%d\n", sum );
    return 0;
}

```

}

// ピザ 2011 JOI予選3改 U

```

#include <stdio.h>
int main( void ){
    int a1, a2, a3, a4, a5, a6, a7;
    scanf( "%d %d %d %d %d %d %d", &a1, &a2, &a3, &a4, &a5, &a6,
&a7 );
    printf ( "%d\n", a1+a2*a5+a3*a6+a4*a7 );
    return 0;
}

```

}

// トランプゲーム V

```

#include <stdio.h>

int main( void ){
    int count, a, b, i, scoreA=0, scoreB=0;
    scanf( "%d", &count );
    for( i=0; i<count; i++){
        scanf( "%d %d", &a, &b );
        if( a>b ) scoreA+=a;
        if( a<b ) scoreB+=b;
    }
    if( scoreA<scoreB){
        printf( "%d\n", scoreB );
    } else{
        printf( "%d\n", scoreA );
    }
    return 0;
}

```

}

```
// 勉強時間 w
#include <stdio.h>
int main( void ){
    int count, start, end, i, sum=0;
    scanf( "%d", &count );
    for( i=0; i<count; i++){
        scanf( "%d %d", &start, &end );
        sum += end-start;
    }
    scanf( "%d", &start );
    printf( "%d\n", start+(count+1)*3-sum );
    return 0;
}
```

```
// お釣り x
#include <stdio.h>
int main( void ){
    int price, coins=0;
    scanf( "%d", &price );
    price = 1000-price;
    coins += price/500;
    price %= 500;
    coins += price/100;
    price %= 100;
    coins += price/50;
    price %= 50;
    coins += price/10;
    price %= 10;
    coins += price/5;
    price %= 5;
    coins += price/1;
    printf( "%d\n", coins );
    return 0;
}
```

```
// ゼロワン (ダーツ) y
#include <stdio.h>
int main( void ){
    int i, j, clear=0, score, prev;
    score = prev = 301;
    int data;
    for( i=0; i<10; i++){
```

```
        for( j=0; j<3; j++){
            scanf( "%d", &data );
            score -= data;
            printf( "s=%d, i=%d\n", score, i );
            if( score<0 ){
                score=prev;
            }
            if( score==0 ){
                clear = i+1;
                goto end;
            }
        }
        prev = score;
    }
end:
    printf( "%d\n", clear );
    return 0;
}

// 部屋番号 (4と9がない) z
// ヒント: 8進数を使う
// 「01234567」を「01235678」として)
#include <stdio.h>
int main( void ){
    int room, digit, number=0, weight=8*8*8*8; // =4096;
    scanf( "%d", &room );
    while( weight>0 ){
        number *= 10;
        digit = room/weight;
        if( digit>3 ) digit++;
        number += digit;
        room %= weight;
        weight /= 8;
    }
    printf( "%d %d %d %d\n", digit, number, weight, room);
}
printf( "%d\n", number );
return 0;
}
```