

1、	(1)	23	(2)	88	(3)	35	(4)	35
	(5)	4	(6)	17	(7)	6	(8)	41
	(9)	88	(10)	88	(11)	1	(12)	0

2、

0

2

9

7

27

36

45

崔士强

PB22151743

3.

```
int BubbleSort ( int a[]) {  
    int *p = a, b = 1, i, n = 0, temp;  
    for (i = 0, a[i] != '\0', i++) {  
        n++;  
    }  
    while (b != 0) {  
        b = 0;  
        for (i = 0; i < n - 1; i++) {  
            if (*p + i > *p + i + 1) {  
                temp = *p + i;  
                *p + i = *p + i + 1;  
                *p + i + 1 = temp;  
                b++;  
            }  
        }  
    }  
    for (i = 0, i < n, i++) {  
        printf ("%d \t", *p + i);  
    }  
    return 0;  
}
```

4.

```
int  *link (char *pa, *pb) {  
    char c[1000];  
    char *pc = c;  
    int na=0, nb=0, i  
    for (i=0; *pa+i != '\0'; i++) {  
        na++;  
    }  
    for (i=0; *pb+i != '\0'; i++) {  
        nb++;  
    }  
    for (i=0; i < na; i++) {  
        *pc+i = *pa+i;  
    }  
    for (i=0; i < nb; i++) {  
        *pc+na+i = *pb+i;  
    }  
    return pc;  
}
```