

Problem B

CPU Time limit

Memory limit

Author

Source

Calgary Collegiate Prog

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Input

The input consists of 3 different segments:

- 1. The first line will have the number of test cases t , where $1 \leq t \leq 10$.
- 2. The first line of each case will contain the first positive numerically distanced whole number, which will have the number's digits, 0 – 9, be space-separated. The amount of digits in this line is m , where $1 \leq m \leq 9$.
- 3. The second line of each case will contain the second positive numerically distanced whole number, which will have the number's digits, 0 – 9, be space-separated. The amount of digits in this line is n , where $1 \leq n \leq 9$.

Output

Output the sum of the numerically distanced numbers for each of the test cases on one line each.

Sample Input 1

```
2
3 4 5
5 6 7
6 1
3 2 5
```

Sample Output 1

```
9 1 2
3 8 6
```

Sample Input 2

```
1
1 4 8 0 5
4 3 8 4
```

Sample Output 2

```
1 9 1 8 9
```

Sample Input 3

```
3
4
4 5
7 6
6 2 7
8 2 0
2 3
```

Sample Output 3

```
4 9
7 0 3
8 4 3
```

