# **Arithmetic Operations**

In this question, you will be asked to implement 4 operations on two large natural numbers. The operations are as follows:

1) Add(a, b) : Compute a + b

2) Subtract(a, b) : Compute a - b. You are given that a > b

3) Multiply(a, b) : Compute a \* b

4) Divide(a, b) : Compute a / b.

#### Input

The first line contains t: the number of test cases.

t test cases follow

Each test case contains 3 lines:

The first line contains two space separated integers  $n_1$  and  $n_2$  denoting the number of digits in the two numbers.

The second line contains the two space separated sequences a and b of  $n_1$  and  $n_2$  digits respectively.

The third line contains the opcode. If the opcode is 1, then the output should be the result of Add(a, b), if 2 then Subtract(a, b), if 3 then Multiply(a, b) and if 4 then Divide(a, b).

### Output

For each test case, print the corresponding output on a new line

### Constraints

1 <= t <= 10 10 <= n<sub>1</sub>, n<sub>2</sub> <= 1000

## Example

```
Input:

4

9 9

845236792 426347821

1

9 9

845236792 426347821

2

9 9

845236792 426347821
```

845236792 426347821 

#### Output: