Problem F. F

Time limit   1000 ms
Mem limit   262144 kB

You all know Emrul bhai, right? He is a genius guy. He knows how to add two integer numbers and so do you.

```
1        56
2       +25
3       ----
4        81
```

He has a crush and her facebook name is "Sweety girl Jorina". One day Emrul bhai's friend Rafat bhai challenged him if his juinors from first year can make a program that adds two very large numbers, then they will make a meeting for him with his crush.

Now Emrul bhai came running to you sweating and asked "Can you please do it for me so that I can meet my sweety girl?".

Input

You will be given a test case T ($1 \leq T \leq 100$). In each case, you will be given two numbers A and B ($0 \leq$ `Digits in A and B` $\leq 10^5$).

Output

For each case, you have to print the case number and the summation of the given numbers.

Samples

Input	Output
2 123 123 3333311111111111 44422222221111	Case #1: 246 Case #2: 3377733333332222

Input	Output
3 9 0 111 456666647774123354425321458777 4789544522212456544456 4565429875595631	Case #1: 9 Case #2: 456666647774123354425321458888 Case #3: 4789544978755533214400887

Number A and B can be very large.

You can't store in int or long long int data type if digits number in a number is greater than 18. You have to store it in a string.

It is guaranteed that summation of A and B won't contain leading zero's.