A. Convert From Decimal

Given **t** integers called **n** in base 10, convert them to base **x**.

<u>Input</u>

The first line of input contains *t*, the amount of numbers you will have to convert.

The next t lines contain two numbers, x and n where x is the base you must convert it to and n is the original base 10 number.

Input	Output
6 2 7 8 34 16 1792 19 12345 10 477 36 1295	111 42 700 1F3E 477 ZZ

B. Convert To Decimal

Given t integers called n in base x, convert them to base 10.

<u>Input</u>

The first line of input contains t, the amount of numbers you will have to convert.

The next t lines contain two numbers, x and n where x is the base of the current number and n is the number in base x.

Input	Output
6 2 111 8 42 16 700 19 1F3E 10 477 36 ZZ	7 34 1792 12345 477 1295

C. Add Two Numbers

You will be given **t** test cases.

Given a base k and two numbers x and y, output the sum of x and y.

It is guaranteed that **x** and **y** are provided to you in base **k**.

<u>Input</u>

The first line of input contains t, the number of test cases.

Then there will be t lines that contain three variables.

The first number on each line is **k**, the base that you are working in.

The next two numbers are **x** and **y**.

Input	Output
9 10 78 30 2 1001 1100 8 1362 36 16 7B14AD 5A6C 19 GH2B9 43999 36 ZZZZ ZZZZ 13 13 91 5 4321 23 36 LEHR RBQVUV	108 10101 1420 7B6F19 121C1I 1ZZZY A4 4344 RCCACM