# Convert From Decimal

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

## Input

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

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

| Input | Output |
|---|---|
| 6<br>2 7<br>8 34<br>16 1792<br>19 12345<br>10 477<br>36 1295 | 111<br>70<br>42<br>1F3E<br>477<br>ZZ |

# 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***.

## Input

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