Task X — Spy

You work in a company, for which economic intelligence is the main business. You have just purchase data about some corporation (for the reason of confidentiality we will not reveal its name). For the time being, you obtained encoded data and no key to decode it. Your first task is to test whether the data are reliable (and the transaction can be concluded) or they are a meaningless garbage (you can trust nobody in this business).

Your boss ordered you to verify some financial information, which is represented as a column of numbers summed up. You know that the sum is correct, but the digits of the numbers have been permuted (in each number separately). Your task is to check if the sequence of digits can be changed in order that the sum of the numbers is as desired.

E. g. given the numbers:

$$\begin{array}{r} 1234 \\ 1234 \\ \hline 4367 \end{array}$$

you can permute the digits to get the sum wanted:

$$\begin{array}{r} 3124 \\ 1243 \\ \hline 4367 \end{array}$$

Input Specification

The first line of input contains the count of numbers being summed ($1 \le n \le 10$). The following n lines contain these numbers (each number has four digits, separated with spaces). The next line contains the result (max. 5-digit number without spaces). There can be several data sets on the input. Reading $n = 0$ means the end of data sets.

Output Specification

For each data set one line of output is to be produced. It shall contain the sum and the word "Correct" if it can be obtained from the given numbers or "Incorrect" if it cannot. The output format precisely follow the section Sample Output.

Sample Input

```
3
1 2 3 4
1 2 3 4
1 2 3 4
12963
3
1 2 3 4
1 2 3 4
1 2 3 4
```

```
2468
0
```

Sample Output

```
12963 - Correct
2468 - Incorrect
```