MISSING TERMS

Problem statement:

Sid is going to his friend's birthday party. Since his friend likes numbers, Sid has taken a **strictly increasing finite GP series**(i.e. any two consecutive terms of the series share a common ratio) of **maximum 20 numbers**(he doesn't know the exact number) as the gift. Unfortunately, when he is about to reach the party, he finds that some terms of the series (except the first and last term) are missing. Now, as he has very less time, he guesses the number of missing terms and tries to make the series complete. Can you help him to tell whether his guess is correct or not?

Input:

First line contains an integer **t**, denoting the number of test cases. **t** test cases follow. Each test case consists of three lines. First line contains **n**, the number of numbers Sid currently has. Next line contains **n** space separated numbers in the relative order in which they were in the original series. The third line contains **g**, Sid's guess.

Output:

Print "**Incorrect**"(without quotes) if Sid's guess is incorrect. If Sid's guess is correct, there will be a two-line answer. In first line, print "**Correct**"(without quotes) and in the second line **print the missing terms** separated by a single space in the relative order in which they were in the original series. Each answer should start in a new line.

Constraints:

1 <= t <= 100
3 <= total number of terms of the series <= 20
1 <= each term of the series <= 10^{18}

Time limit: 1 s

Sample:

Input:

2
3
2 4 32
2
3
3 9 81
2

Output:

Correct
8 16
Incorrect