CONVERSIONS

Time limit: 2000 MS

Memory limit: 256 MB

Problem statement:

You are given two positive integers P and Q. What is the value of P/Q? Isn't that a very easy problem? We know that solving a very easy problem isn't enjoyable much. Let's make the problem a little harder. What if given you the answer of P/Q and asked to retrieve the values of P and Q? Can you do it? Let's try!!!

Input Format:

First line contains an integer T – number of test cases. Following T lines contains a **floating** point number.

Output Format:

For each case output in the following format:

Case #X: P/Q

Where "X" is the case number starting form **1.**"P" and "Q" are the values described above. Print "P" and "Q" in their reduced form (Greatest Common Divisor of "P" and "Q" will be 1).

Sample Input	Sample output
5 0.50 0.5 123.123 0.66655 0.7	Case #1: 1/2 Case #2: 1/2 Case #3: 123123/1000 Case #4: 13331/20000 Case #5: 7/10

Limit:

1<=T<=10000

Number of character in the floating point number<=18

Floating point number contains **exactly** one "." and digits from "0" to "9".