Problem 9: Mileage Cheats - A TESTING PROBLEM

Overview

Amalgamated Artichokes\(^1\) has decided to have its sales staff report their mileage daily for reimbursements. Unfortunately, some employees have been cheating on their mileage in the dumbest possible ways. In this problem, you will be given a small mileage report and must vet it for “plausibility”.

Problem

Salespeople always start and end the day at corporate headquarters. During the day, they may visit one or two clients. Salespeople are always required to take the shortest routes between any two locations. To charge the appropriate accounts, they must report the mileage from headquarters to the first client (billed to the first client) from the first client to the second (billed 50\% to each client) and from the second client back to headquarters (billed to the second client.) It is the job of your program to determine if the report filed is physically impossible or not.

Input

The input to this problem consists a single line of text containing three non-negative integers representing the distance travelled from headquarters to the first client, the distance traveled between clients, and the distance traveled from the second client back to headquarters. None of the numbers will exceed 256.

Output

The output is a single line of text indicating the plausibility of the claim, formatted exactly as shown in the examples. (There are no leading or trailing spaces in the output.)

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\(^1\) See last year’s contest for a problem involving Amalgamated Artichoke’s stock price!
Example 1

Input
100 100 100

Output
Plausible claim

Example 2

Input
4 200 4

Output
Fraudulent claim

About TESTING PROBLEMS

YOU ARE NOT TO WRITE A SOLUTION TO THIS PROBLEM!!!!

Rather, a flawed solution to this problem exists on the web page referenced by the submission program on your desktop. You must determine an input set for which our solution gives the wrong answer. You will also need to supply the correct output for the input that you submit. Once you have determined these, you must fill in the fields on the web page and submit your answer.