
Problem #10: Let's Make a Meal

Program Name: meal.java

Input File: meal.dat

You are burning the midnight oil while writing a program for school. Your mom tells you that you need to eat something and that it needs to be a well-balanced meal. To make sure that your mom is happy, you write a program that determines if a list of foods constitutes a well balanced meal given the following list of basic programming food groups (She never said the food groups had to be healthy ones, now did she?):

<i>Caffeine Group</i>	Soda, Coffee
<i>Sugar Group</i>	Cake, Candy
<i>Salt Group</i>	Chips, Popcorn
<i>Fat Group</i>	Burger, Pizza

Input

The first line of input will contain an integer corresponding to the number of data sets to be read in.

The subsequent lines contain the data sets, each of which will be formatted according to the following description:

Food Count – A single line containing the number of food items, n , on the Food List. This will be a number between 4 and 8 (inclusive).

Food List – The next n lines will each list a single food item. If the food name contains the exact name (case insensitive) of a food category listed in a food group, then it is a member of that food group. A food item can be a member of multiple food groups. The snack list will be deemed well balanced if it contains at least 1 food item from each of the 4 listed food groups and no more than 2 food items from any 1 of the listed food groups.

Output

If the Food List is well balanced according to the input description, then the following will be printed:

"Programmer Fuel"

If the Food List is not well balanced according to the input description, then the following will be printed:

"What would your mom say?"

Example Input File

```
2
4
Carrots
Orange Soda
Chocolate Cake
Hamburger
6
Red Soda
Coffee
Chocolate Candy
Potato Chips
Cheeseburger
Buttered Popcorn
```

Example Output To Screen

```
What would your mom say?
Programmer Fuel
```