Problem 1 - Burger Bus

The Burger Bus travels around the country and serves delicious burgers. You need to help the owner keep track of his income and expenses along the way.

First, you will receive the **number of cities** the bus has visited. Then for **every city,** you will receive:

- **the name of the city**
- **how much money the owner earned**
- **owner's expenses**

Every **3rd (third)** city the bus visits, the owner **organizes a special event** to ensure a true "Burger Bus" experience, spending **an additional 50% over costs**.

In every **5th (fifth)** city, it is **raining,** and the owner **losses 10% of the money** he earned. In a rainy city, there is **no possibility to organize a special event**.

You have to calculate the owner's **profit for each city** and his **total profit from the tour**. Profit is calculated by **deducting** the **expenses** from the **income**.

Input

The input will consist of:

- **Number** of cities – **integer** in the range [1...15]
- For each city, you will receive the following information:
  - **name of the city** - **string**
  - **owner's income** - a **real number** in the range [0.0...10 000.0]
  - **owner's expenses** - a **real number** in the range [0.0...10 000.0]
- The input will always be in the correct format.

Output

- For every city, you need to print the following message:
  `"In {cityName} Burger Bus earned {profit} leva."`
- At the end of the tour, print:
  `"Burger Bus total profit: {totalProfit} leva."`

NOTE: The profit and the total profit should be formatted to **the 2nd** decimal place.

Examples

Input	Output
3 Sofia 895.67 213.50 Plovdiv 2563.20 890.26 Burgas 2360.55 600.00	In Sofia Burger Bus earned 682.17 leva. In Plovdiv Burger Bus earned 1672.94 leva. In Burgas Burger Bus earned 1460.55 leva. Burger Bus total profit: 3815.66 leva.

Input	Output
5 Lille 2226.00 1200.60 Rennes 6320.60 5460.20 Reims 600.20 452.32 Bordeaux 6925.30 2650.40 Montpellier 680.50 290.20	In Lille Burger Bus earned 1025.40 leva. In Rennes Burger Bus earned 860.40 leva. In Reims Burger Bus earned -78.28 leva. In Bordeaux Burger Bus earned 4274.90 leva. In Montpellier Burger Bus earned 322.25 leva. Burger Bus total profit: 6404.67 leva.

JS Examples

The input will be provided as an array of strings.

Input	Output
(["3", "Sofia", "895.67",	In Sofia Burger Bus earned 682.17 leva. In Plovdiv Burger Bus earned 1672.94 leva. In Burgas Burger Bus earned 1460.55 leva.

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"213.50", "Plovdiv", "2563.20", "890.26", "Burgas", "2360.55", "600.00"])	Burger Bus total profit: 3815.66 leva.

Input	Output
(["5", "Lille", "2226.00", "1200.60", "Rennes", "6320.60", "5460.20", "Reims", "600.20", "452.32", "Bordeaux", "6925.30", "2650.40", "Montpellier", "680.50", "290.20"])	In Lille Burger Bus earned 1025.40 leva. In Rennes Burger Bus earned 860.40 leva. In Reims Burger Bus earned -78.28 leva. In Bordeaux Burger Bus earned 4274.90 leva. In Montpellier Burger Bus earned 322.25 leva. Burger Bus total profit: 6404.67 leva.