Problem 1. SoftUni Coffee Orders

At SoftUni we are placing **N** orders of coffee at a time, one order each month. Write a program to calculate the price for each order and the total price based on the following formula:

```
price = (daysInMonth * capsulesCount) * pricePerCapsule
```

* **Hint**: the `DateTime` class may come in handy to calculate the days in certain month.

Input / Constraints

- The first line holds an integer **N** – the count of orders the shop will receive.
- For each order the next lines hold the following information:
  - **Price** per capsule – floating-point number in range **[0…79,228,162,514,264,337,593,543,950,335]**.
  - Order **date** – in the following format: **`{d/M/yyyy}`**, e.g. 25/11/2016, 7/03/2016, 1/1/2020.
  - **Capsules** count – integer in range **[0…2,147,483,647]**.

The input will be in the described format, there is no need to check it explicitly.

Output

The output should consist of **N + 1** lines. For **each order** you must print a single line in the following format:

- `The price for the coffee is: ${price}`

On the last line you need to print the **total price** in the following format:

- `Total: ${totalPrice}`

The **price must be rounded** to 2 decimal places.

The **total price** will always be within the range **[0…79,228,162,514,264,337,593,543,950,335]**.

Examples

Input	Output	Comments
1 1.53 06/06/2016 8	The price for the coffee is: $367.20 Total: $367.20	We are given only one order. Then we use the formulas: **orderPrice** = 30 (days in June 2016) * 8 * 1.53 = 367.20

Input	Output
2 4.99 6/07/2016 3 0.35 03/01/2013 5	The price for the coffee is: $464.07 The price for the coffee is: $54.25 Total: $518.32