# Problem 1. Easter Cozonacs

*Since it's Easter you have decided to make some cozonacs and exchange them for eggs.*

Create a program that **calculates** how much **cozonacs** you can make with the **budget** you **have**. **First**, you will **receive** your **budget**. Then, you will **receive** the **price** for **1 kg flour**. Here is the **recipe** for **one** cozonac:

| | |
|---|---|
| **Eggs** | **1 pack** |
| **Flour** | **1 kg** |
| **Milk** | **0.250 l** |

The **price for 1 pack of eggs** is **75%** of the **price for 1 kg flour**. The **price** for **1l milk** is **25% more** than price for **1 kg flour**. Notice, that you need **0.250l milk** for **one** cozonac and the calculated price is for **1l**.

**Start** cooking the cozonacs and **keep making** them until you have **enough budget**. Keep in mind that:

- For **every** cozonac that you make, you will receive **3 colored eggs**.
- For **every 3rd** cozonac that you make, you will lose some of your **colored** eggs **after** you have **received** the usual **3 colored eggs** for your cozonac. The count of eggs you will lose is calculated when you **subtract 2** from your **current count** of **cozonacs** – **`({currentCozonacsCount} - 2)`**

In the end, print the cozonacs you made, the eggs you have gathered and the money you have **left**, **formatted** to the **2nd decimal place**, in the following format:

**`"You made {countOfCozonacs} cozonacs! Now you have {coloredEggs} eggs and {moneyLeft}BGN left."`**

## Input / Constraints

- On the **1st line** you will receive the budget – a **real number** in the range [0.0…100000.0]
- On the **2nd line** you will receive the price for **1 kg floor** – a **real number** in the range [0.0…100000.0]
- The input will always be in the right format.
- You will **always** have a **remaining budget**.
- There will **not** be a case in which the **eggs** become a **negative count**.

## Output

- In the end print the **count** of **cozonacs** you have made, the colored **eggs** you have gathered and the **money formatted** to **the 2nd** decimal place in the format described above.

## Examples

| Input | Output |
|---|---|

| | |
|---|---|
| 20.50<br>1.25 | You made 7 cozonacs! Now you have 16 eggs and 2.45BGN left. |

**Comments**

We start by calculating the price for a **pack of eggs**, which is **75%** of the price for **1 kg** floor, which in this case is **1.25**. The pack of eggs price is **0.9375**. The price for **1l milk** is **25%** more than the price for **1kg** floor and in this case it is – **1.5625**, but we need the price for 0.250ml, which is - **0.390625**. The total price for one cozonac is:

**1.25** + **0.9375** + **0.390625** = **2.578125**.

And we start subtracting the **price** for a **single** cozonac **from the budget**, and **for every cozonac** we receive **3** eggs. So after the first **subtraction** we will have **17.921875** budget, **1** cozonac and **3** eggs. After the second **- 15.34375** budget, **6** eggs, and on the **third** - **12.765625 budget** and **9 eggs** and since it's the **third**, we need to **subtract** the **lost eggs**, which will be 3 – 2 = **1**, so we subtract 1 from 9 and our **eggs** become **8**. We continue **subtracting** money from the **budget** until the money **aren't enough** for us to make a cozonac. In the end we have 2.45BGN left.

| | |
|---|---|
| 15.75<br>1.4 | You made 5 cozonacs! Now you have 14 eggs and 1.31BGN left. |