# A test of "programming for beginners" – 7 may 2017

## Task 2 Toyshop

Petya's toy shop. She gets a big contract to run. With the money that will win wants to go on a trip. To write a program that calculates the profit from the contract.

**Prices of toys:**

        **Jigsaw puzzle-$ 2.60.**

        **A talking doll – 3 EUR**

        **Teddy bear-$ 4.10.**

        **Mignon – 8.20 LV.**

        **Truck-$ 2.**

If the ordered toys are **50 or more**the shop makes a **25% discount** **on the total price**by earned money Petya must give **10% for rent** of store. To calculate whether the money will its they get to go on a trip.

### Login

From the console read **6 lines** :

**1.** **Price of the excursion – a real number in the interval [1.00 ... 10000.00];**

**2.** **Number puzzles – an integer in the range [0 ... 1000];**

**3.** **Number of talking puppets-an integer in the range [0 ... 1000];**

**4.** **Number of Teddy bears – an integer in the range [0 ... 1000];**

**5.** **Number of Minors – an integer in the range [0 ... 1000];**

**6.** **Number of trucks-an integer in the range [0 ... 1000].**

### Exit

The console is printed:

* If **sufficient money** is printed:
  + **" Yes! {the remaining money} lv left. "**
* If **not enough money** is printed:
  + **" Not enough money! {missing money} lv needed. "**

**The result should be formatted to the second decimal place**.

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| 40.8  20  25  30  50  10 | Yes! 418.20 lv left. | **Amount**: 2 0 \* 2.6 0 + 25 \* 3 + 30 \* 4.10 + 50 \* 8.20 + 10 \* 2 = **680**EUR  **Number of toys**: 2 0 + 25 + 30 + 50 + 10 = **1** **3 5**  **135 > = 50 > 25% off**; 25% of 680 = **170 EUR discount**  **Final price**: 680 – 170 = **510**EUR  **Rent**: 10% of the 510 EUR = **51**EUR  **Profit**: 510 – 51 = **459**EUR  **459 > 40.8**= >459-40.8= **418.20**EUR **remain** |
| **Login** | **Exit** | **Explanations** |
| 320  8  2  5  5  1 | Not enough money! 238.73 lv needed. | **Amount**: **90** **.3**EUR  **Number of toys**: **2 1**  **21 < > = 50 no discount**  **Rent**: 10% of the 90.3 = **9.03**EUR  **Profit**: 90.3 – 9.03 = **81.27**EUR  **81.27 < 320**=> 320 – 81.27= **238.73** EUR **do not reach** |