# A test of "programming for beginners" – 17 July 2016

## Task 3 Tickets for the match.

When released **the tickets** **for euro 2016**, **a group of** supporters **decided to purchase** . **The tickets**have **two categories with different prices**:

        **VIP**– **499.99** leva.

        **Normal**- **249.99** leva.

Fans **have** **a budget** , a **the number of people**in the group **determines what percentage of the budget** need **to be allocated to transport**:

        **From 1 to 4**– **75% of the budget**.

        **From 5**up to **9** – **60% of the budget**.

        **From 10 to 24**- **50% of the budget**.

        **25 to 49**- **40% of the budget**.

        **50 or more**– **25% of the budget**.

**Write a program**to **calculate** **whether the rest of the money from the budget** they can **buy tickets for selected category**. And **how much money** will they **stay or will they need**.

### Login

The input read from **the console** and contains **exactly 3 lines**:

        The **first** line is **the budget** – **a real number in the interval** **[1 000.00 ... 1 000 000.00]**

        The **second** line is **the category** – " **VIP**" or " **Normal**"

        The **third** row is **the number of people in the Group** – **an integer in the range** **[1 ... 200]**

### Exit

To **print** to the console **a line**:

        If **the budget is sufficient**:

o " **Yes ! You have {N} leva left.**"– **N are the rest of the money**of the Group

        If **the budget is not enough**:

o " **Not enough money! You need {m} leva.**" – where **m is the amount not reached**

**The amounts**must be **formatted to the nearest two decimal places**.

### Sample input and output

|  |  |  |  |
| --- | --- | --- | --- |
| **Login** | **Exit** | **Login** | **Exit** |
| 1000  Normal  1 | Yes! You have 0.01 leva left. | 30000  VIP  49 | Not enough money! You need 6499.51 leva. |
| **Explanations** | | **Explanations** | |
| **1 man**: **75% of the budget** goes **to** **transportation**  **Remain:**1000 – 750 **= 250**  Category **Normal**: the ticket (GPS) **worth 249.99 \* 1**  **249.99 < 250**: **remain** his 250-249.99 = **0.01** | | **49 person**: **40% of the budget** goes **to** **transportation**  **Remain:**30000 – 12000 **= 18000**  Category VIP : tickets (GPS) **costs 49 499.99 \***  **24499.510000000002 < 18000**  **It's not enough**24499.510000000002 - 18000 = **6499.51** | |

Testing of the solution: [https://judge.softuni.bg/Contests/Compete/Index/233#2](https://www.microsofttranslator.com/bv.aspx?from=bg&to=en&a=https%3A%2F%2Fjudge.softuni.bg%2FContests%2FCompete%2FIndex%2F233%232)