# A test of "programming for beginners" – 24 April 2016

## Task 4 Take Care Lily.

Lily is now **N years**For every **birthday** she received a gift on the **odd-numbered** birthdays (**1, 3, 5 ...** **n**) gets **toys**, and for each **an even** (**2, 4, 6 ...** **n**) gets **money**. For **the second birthday** gets **10.00 EUR**, **the amount shall be increased by EUR 10.00 for each subsequent read birthday**(**> 2-10**, **4-> 20**, **6-30 >**. , etc.). Over the years, Lilly secretly been saving money. **The brother** of lily, **in the years** that she **gets money**, **taking on 1.00 dollar** from them. Lilly **sold the toys** received over the years, **each for P Euro**and **added** the amount **to the money saved** with the money want to **buy laundry X Euro**. write a program to calculate, **how much money was collected** and whether it **had enough to buy a laundry**.

### Login

From the console are read **3 numbers**, on separate lines:

        **Age**Lily – **an integer**in the range **[1...77]**

        **The price of the washing machine**, a number in the interval **[1.00...10 000.00]**

        **Unit price the toy** – **a whole** **number** in the range **[0...40]**

### Exit

To print a line to the console:

        If Lily's money are sufficient:

o **" Yes! {N} "**– where **N**the rest is money after purchase

        If the money is not enough:

o **" No! {M}"**– where **M**is the amount, which does not reach

        The numbers**N**and**M**must for**formatted to the second decimal place**.

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **login** | **exit** | **Comments** |
| 10  170.00  6 | Yes! 5.00 | **First birthday**gets a **toy** ; **2nd-> $1**; 3-> toy;  **4th**-> 10 + 10 = **10 €** ; **5th**-> toy; **6th**-> 20 + 10 = **30 LV**; **7th**-> toy;  **8th**-> 30 + 10 = **$40** ; **9th**-> toy; **10th**-> 40 + 10 = **$50**.  **Is Saved**-> 10 + 20 + 30 + 40 + 50 = **150 BGN**. is Sold **at $5 toys 6** = **30 LV**.  **Her brother took 5 times the 1 Lev**= **5lv**. **Remain** -> 150 + 30 – 5 = **$175**.  **175 >= 170**(the wash) **managed**to buy and have and **other** 175-170 = **5 EUR** |
| 21  1570.98  3 | No ! 9 97 .98 | **Is Saved 550 EUR**. **Sold** is **11** toys under **$3** = **$33**. Her brother **took 10** years **$1** = **$1**. **The other** 550 + 33-10 = **$573**  **573 < 1570.98**– **had failed** to buy a washing machine. **Miss** 1570.98-573 = **997.98 EUR** |