# A test of "fundamentals of programming" – 20 November 2016

## Task 2 . Pets

Marina loves to travel ... She has **3 pets**(dog, cat and Tortoise). When departing on a cruise should consider **how much food to put them**in order to **don't stay hungry**. Write a **program**, which **calculates how pounds of food will eat all**for the time inwhich the Marina **is absent**and **whether that food**from her would **be sufficient. Each animal**eats a certain amount of food per day.

### Login

From the console are read **five lines**:

* The first row– **number of days** – **an integer**in the range **[1 ... 5000]**
* Second row–**left food** **in kilograms** – **an integer** in the range**[0... 100000]**
* Third line – food **per day per dog** **in kilograms**– **a real number** in the interval**[0.00... 100.00 ]**
* 4th row – food **of the day for the cat** **in kilograms**– **a real number** in the interval**[0.00... 100.00 ]**
* 5th row – food **of the day for the tortoise in grams** – **a real number** in the interval**[0.00... 10000.00 ]**

### Exit

The console must be printed on **one line**:

        If that food**is sufficient**:

o "**{pounds residue} of kilos food left.**"

  The result should be**plump to the lower integer**

        If that food**is not enough**:

o "**{pounds I'm} more kilos of food are needed.** "

  **The result**shouldis **rounded to** **(p) Oh highest integer**

### Sample input and output

|  |  |  |
| --- | --- | --- |
| **Login** | **Exit** | **Explanations** |
| 2  10  1  1  1 2 00 | 3 kilos of food left. | **For sustenance: dog** = 2 days \* 1 kg = **2 kg;**  **cat**= 2 days \* 1 kg = **2 lb.;**  **turtle**= 2 days \* 1200 g = **2.4 kg**;  **Total food**= 2 + 2 + 2.4 = **6.4**;  **6.4 < 10**= > 10-6.4 = **3.6** -> **3 kg food remain** |
| **Login** | **Exit** | **Explanations** |
| 5  10  2.1  0.8  321 | 7 more kilos of food are needed. | **For sustenance: dog** = **10.5 cat kg;**= 5 days \* = 0.8 kg **4 turtle kg;**= 5 days \* 321 g = **1 .605 kg**;  **Total food**= 10.5 + 4 + 1.605 = 1 **6.105**; 16.105 – 10 = 6.105 -> 7 kg does not reach |