# Problem 1 – Tables

Gosho is very good table **maker**. He has **4 bundles** full of **table** **legs**. Every bundle holds **packets**. The **first bundle** holds **packets** with **1** **leg**, the **second bundle** holds packets with **2 legs** and the **other 2 bundles** hold packets with **3 and 4 legs** respectively. Example: (**bundle3 = 5 packets \* 3 legs = 15 legs)**. He also has **T** amount of **table tops** and **N** amount of tables that **need** **to be made**. Your task is to **calculate** how many tables can Goshko make and whether he has made **more**, **less** or **equal** amount of the needed tables. Every table is made from **4 legs** and **1 table top.** Check the examples below to understand your task better.

### Input

The input data should be read from the console.

* At the **first four lines** you will be given integer numbers representing how many **packets** each **bundle** has
* At the **fifth line** an integer number **T** specifying the amount of **table** **tops**.
* At the **sixth line** an integer number **N** specifying the amount of tables **to be made**.

The input data will always be valid and in the format described. There is no need to check it explicitly.

### Output

The output should be printed on the console. It should consist of **1** **or 2** lines:

* Print “**more: {0}**” on the **first** **line**, if the **tables** **made** are **more** than the **tables** **needed**.
  + Print the materials **left** on the **second line**: “**tops left: {0}, legs left: {1}**”
* Print “**less: {0}** “, if the **tables** **made** are **less** than the **tables** **needed**.
  + Print the materials **needed** to create all needed tables: “**tops needed: {0}, legs needed {1}”**
* Print “**Just enough tables made: {0}**”, if the **tables** **made** are **equal** with the **tables** **needed**.

### Constraints

* The **inputs** will be integers in the range [0…999 999 999].
* Allowed working time for your program: 0.1 seconds.
* Allowed memory: 16 MB.

### Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| 1  1  1  2  2  3 | less: -1  tops needed: 1, legs needed: 0 | Bundle1+Bundle2+Bundle3+Bundle4 =  (1\*1) + (1\*2) + (1\*3) + (2\*4) = 14 legs, 2 table tops and 3 tables to be made. To make 3 tables Gosho needs 12 legs and 3 table tops. He can’t make enough tables. He has enough legs but needs 1 more table top. |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |
| 2  3  4  5  10  8 | more: 2  tops left: 2, legs left: 8 | 1  1  1  1  1  1 | Just enough tables made: 1 |