## Problem 1 – Garden

Uncle Pesho needs help to calculate his garden production. He grows different vegetable plants. You are assigned to write a program to help him with the production calculations.

Uncle Pesho wants to plant the following vegetables: **tomato**, **cucumber**, **potato**, **carrot**, **cabbage**, **beans**.

For each vegetable, **except the beans**, uncle Pesho knows:

* **how many seeds** he wants to plant
* **on what area** he wants to plant those seeds

**For the beans**, uncle Pesho has decided:

* **how many seeds** he wants to plant
* the **area for the beans** will be **the area remaining** **after** planting the other vegetables

The **total area** uncle Pesho has is **250 square meters**.

Of course, everything in life has a price – including seeds. Below you will find a table with prices per seed for each vegetable

Write a program to **calculate the total cost of all the seeds** Pesho needs to buy and the **total area remaining for the beans**.

### Seeds Costs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| tomato | 0.5$ per seed |  | carrot | 0.6$ per seed |
| cucumber | 0.4$ per seed | cabbage | 0.3$ per seed |
| potato | 0.25$ per seed | beans | 0.4$ per seed |

### Input

The input data consists of 11 lines describing all the vegetables. Each line will hold a single number:

* The first line holds the tomato seeds amount, the second – the tomato area.
* The third line holds the cucumber seeds amount, the fourth line – cucumber area.
* The fifth line holds the potato seeds amount, sixth line – potato area.
* The seventh line holds the carrot seeds amount, eighth line – carrot area.
* The ninth line holds the cabbage seeds amount, tenth line – cabbage area.
* The eleventh line holds the beans seeds amount.

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

### Output

The output data should be printed at the console in two lines:

* At the first line print the total seeds cost, rounded to second digit after the decimal separator, in format “**Total costs: X.XX**” where **X.XX** are the costs.
* At the second line print the remaining area for beans.
  + In case there is some area for beans left, print its **size** in format “**Beans area: X**” where **X** is the area left for beans.
  + In case of no area for beans is left, print „**No area for beans**“.
  + In case the area for the tomato, cucumber, potato, carrot and cabbage is insufficient, print “**Insufficient area**”.

### Constraints

* The seeds amount is non-negative integer number in the range [0…1000].
* The plants area is non-negative integer number in the range [0…250].
* All numbers should use as a decimal separator the symbol “**.**” (point, no comma).
* Allowed work time for your program: 0.1 seconds.
* Allowed memory: 4 MB.

### Examples

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Input** | **Output** |  | **Input** | **Output** |  | **Input** | **Output** |
| 10  20  25  30  42  38  15  23  18  36  70 | Total costs: 67.90  Beans area: 103 |  | 30  39  50  60  15  77  18  36  28  39  65 | Total costs: 83.95  Insufficient area | 0  0  50  0  0  100  200  50  30  100  65 | Total costs: 175.00  No area for beans |