**Algorithms with Java: Exam Preparation**

This document defines the exam preparation for ["Algorithms – Fundamentals (Java)" course @ Software University](https://softuni.bg/trainings/2992/algorithms-advanced-with-java-june-2020). Please submit your solutions (source code) of all below described problems in [Judge](https://judge.softuni.bg/Contests/2515/Exam-Preparation).

# 03. Road Trip

You have to plan out your trip and you have to choose the stuff that you can take with you. Since your vehicle is small, you have to choose only the **most important items** to take. You will receive the **value** of the items, the **space** that they will take, and the **max capacity** of your trunk. Print the **maximum value** of items that is possible for you to take.

### Input

* On the **first line** you will receive the **value** of the items separated by comma and space **", "**
* On the **next line** you will receive the **amount of space** that they take separated by comma and space **", "**
* Finally you will receive the **max capacity** of your trunk

### Output

* Print the maximum value of items that you can take without exceeding the capacity of your trunk with you in the format: **"Maximum value: {maxValue}"**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 10, 5, 20, 23, **45**  2, 4, 5, 1, **7**  7 | Maximum value: 45 |
| **60**, 100, **120**  **10**, 20, **30**  50 | Maximum value: 220 |