# Train Station

*You were hired to create a statistic of how many passengers get into the train at the Serdika station.*

You will be given **two parameters** as **input**:

* **a number** representing the **capacity** of each wagon of the train
* **an array** representing how many **passengers** want to enter each wagon of the train.

The train starts with **empty wagons** and has **length equal** to the length of the **passengers array**.

At each **element** of the array (the passengers) you have to check whether there is **enough space** in the particular **wagon**. Here there are two possibilities:

* Enough space - you **add the passengers** to that wagonof the train.
* Not enough space - you **transfer** the passengers that will **not fit** to the **next wagon** and **try to fit** them there.

At the end you have to print the **state** of the train (number of passengers in each wagon **separated** by comma and space: **", "**)

* If there was **room for all** passengers print: **"All passengers aboard"**
* Otherwise print: **"Could not fit {remainingPassengers} passengers"**

### Input

Two parameters:

* A number - the **capacity of each wagon**
* An array - **number of passengers** that want to go in **each wagon**

### Output

Two lines:

* State of the train: all the wagons (**array**) with all fit passengers
* If there was place for all passengers: **"All passengers aboard"**; otherwise: **"Could not fit {remainingPassengers} passengers"**

### Examples

|  |  |  |
| --- | --- | --- |
| ****Input**** | ****Output**** | ****Comment**** |
| 10, [9, 39, 1, 0, 0] | [ 9, 10, 10, 10, 10 ]  All passengers aboard | We can fit **9 passengers** in the **first** wagon, because it is less than the capacity, in the **second** wagon we can fit **only 10** of the 39, so **put 10** there and **transfer 29** to the **next** one. In the **third** wagon we now have **30** (1 from the array and 29 transferred), but we can fit **only 10** again, so we **put 10** and **transfer 20**. In the **final 2** wagons we put **10** passengers **in each** and there are **0 passengers left** |
| **6, [5, 15, 2]** | **[ 5, 6, 6 ]**  **Could not fit 5 passengers** | **We fit 5 passengers in the first wagon; we fit 6 in the second and transfer 9 to the next one. There we fit 6 again and there are 5 left. (11 – 6)** |