# Problem 4. Trucks

You have to keep track of all of your **trucks** and their **tire's conditions**. Each truck has a **plate number**, a total of **8 tires**, each one is a number representing **how good its condition is** and it also needs to keep track of **each trucks travelled distance**.

You will receive an **array of arrays**, each array will contain **strings**; the **first string** will be one of the following commands:

* **"NEWTRUCK"** – **["NEWTRUCK", "C111AA", [5, 5, 5, 5, 5, 5, 5, 5]]** – that means you have to **add a new truck** if you don’t have it already with the given **plate number** and the **tires**.
* **"NEWTIRES"** – **["NEWTIRES", [7, 7, 7, 7, 7, 7, 7, 7]]** – add the given tires in a collection of **backup tires**. You might need to use them later
* **"WORK"** – **["WORK", "C111AA", 7000]** – that means that **if you have that truck** (with the given plate number), it **has to travel a given amount of kilometers**. Every **1000** kilometers the quality of each tire **reduces by 1**. You have to calculate if the **quality of all the tires of the truck is enough to travel that distance**.
  + If it is, **reduce the quality** of **each tire** with the **needed amount** and **add the kilometers** to the truck's **total distance**
  + If it is not, **try to change the tires** (if you have any backups) **once** and do that calculations again. If after the **change the tires the truck can travel**, do it, otherwise the **truck does not travel** and you have to proceed

At the end, print for each truck information in the following format: **"Truck {plateNumber} has traveled {trucksDistance}."**. And finally print how many sets of tires you have as backup in the format: **"You have {setsCount} sets of tires left."**

### Input/Constrains

* Input comes as an array of arrays
* The input will always be in a valid format

### Output

* Print the output as described above

### Examples

|  |  |
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| **Input** | **Output** |
| [  ["NEWTRUCK", "C1111AA", [7, 7, 7, 7, 7, 7, 7, 7]],  ["NEWTRUCK", "C2222AA", [5, 5, 5, 5, 5, 5, 5, 5]],  ["NEWTIRES", [8, 8, 8, 8, 8, 8, 8, 8]],  ["NEWTIRES", [4, 4, 4, 4, 4, 4, 4, 4]],  ["NEWTIRES", [5, 5, 5, 5, 5, 5, 5, 5]],  ["WORK", "C1111AA", 7700],  ["WORK", "C2222AA", 6000],  ["WORK", "C1111AA", 3000],  ] | Truck C1111AA has traveled 10700.  Truck C2222AA has traveled 0.  You have 0 sets of tires left. |
| [  ["NEWTRUCK", "B1002SA", [17, 17, 17, 17, 17, 17, 17, 17]],  ["NEWTIRES", [8, 8, 4, 8, 8, 8, 9, 8]],  ["NEWTIRES", [4, 4, 5, 4, 4, 7, 4, 4]],  ["NEWTIRES", [5, 1, 5, 5, 5, 7, 5, 1]],  ["WORK", "B1002SA", 7700],  ["WORK", "B1002SA", 6000],  ["WORK", "B1002SA", 3000]  ] | Truck B1002SA has traveled 16700.  You have 3 sets of tires left. |