# PokemonGo

You are working in the SPD – Sofia Police Department. You are given a car with **limited amount of fuel** and your job is to catch Pokémon while patrolling so that's what you do.

You will be given the **possible streets to patrol** for the shift and **information** about **each** **street**. It will contain the **length of the street** (1 unit of length costs 1 fuel) and the **count of Pokémon on it**.

You want to **maximize caught Pokémon based on the fuel** you have.

Your report must contain the following information.

* **All** **streets** that you are going to **patrol**.
* Total Pokémon's caught
* The **remaining fuel** after the shift

## Input

* The **first line** holds an integer **f** – fuel in the car.
* On the **next lines**, you will receive the streets in the format below, until receiving the "End" command
  + {street name}, {pokemon count}, {length}

## Output

* On the first line, you need to print **all streets that you will check in alphabetical order.**
  + {street name} -> {street name} -> …
  + If there are no streets for patrolling, **don't print anything**.
* On the second line, you need to print the Pokémon count.
  + "Total Pokemon caught -> {count}"
* On the third line, you need to print the **remaining fuel.**
  + "Fuel left -> {fuel}"

## Constraints

* The **fuel** – **f** will be an integer in the range [**0**…**1000**]
* The **number** **of** **streets** will be an integer in the range [**0**…**1000**]
* The **street length** will be an integer in the range [**0**…**1000**]
* The **Pokémon count per street** will be an integer in the range [**0**…**100**]

## Examples

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| **Input** | **Output** |
| 4  **Street 1, 4, 1**  **Street 2, 8, 3**  Street 3, 2, 2  Street 4, 5, 4  End | Street 1 -> Street 2  Total Pokemon caught -> 12  Fuel Left -> 0 |
| 10  DoNotPickMe, 1, 50  End | Total Pokemon caught -> 0  Fuel Left -> 10 |