# Problem 4 – Cars

Your task is to implement a program that keeps track of cars and their fuel and supports methods for moving the cars. Define a class **Car** that keeps a track of a car’s **model, fuel amount, fuel consumption for 1 kilometer** and traveled **distance**. A Car’s model is **unique** - there will never be 2 cars with the same model.

On the first line of the input you will receive a number **N** – the number of cars you need to track, on each of the next **N** lines you will receive information about a car in the following format “<**Model> <FuelAmount> <FuelConsumptionFor1km>**”. All **cars start at 0 kilometers traveled**.

After the **N** lines, until the command “**End**” is received, you will receive commands in the following format “**Drive <CarModel> <amountOfKm>**”. Implement a method in the **Car** class to calculate whether or not a car can move that distance. If it can, the car’s **fuel amount** should be **reduced** by the amount of **used** **fuel** and its **traveled** distanceshould be increased by the number of the **traveled kilometers**. Otherwise, the car should not move (its fuel amount and the traveled distance should stay the same) and you should print on the console “**Insufficient fuel for the drive**”. After the “**End**” command is received, print **each car** and its **current fuel amount** and the **traveled** **distance** in the format “**<Model> <fuelAmount> <distanceTraveled>**”. Print the fuel amount rounded to **two digits** after the decimal separator.

### Examples

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| **Input** | **Output** |
| 2  AudiA4 23 0.3  BMW-M2 45 0.42  Drive BMW-M2 56  Drive AudiA4 5  Drive AudiA4 13  End | AudiA4 17.60 18  BMW-M2 21.48 56 |
| 3  AudiA4 18 0.34  BMW-M2 33 0.41  Ferrari-488Spider 50 0.47  Drive Ferrari-488Spider 97  Drive Ferrari-488Spider 35  Drive AudiA4 85  Drive AudiA4 50  End | Insufficient fuel for the drive  Insufficient fuel for the drive  AudiA4 1.00 50  BMW-M2 33.00 0  Ferrari-488Spider 4.41 97 |