# The DHARMA Initiative

The DHARMA (Department of Heuristics And Research on Material Applications) Initiative is a scientific research project that had a large presence on the Island.

The DHARMA Initiative built a series of stations on the Island. The different stations have different purposes. Your friends, Horace Goodspeed and Stuart Radzinsky, have asked you to help them with the new recruits. Your task is to send the recruits to their stations, so they can start their new job for the DHARMA Initiative.

There are **five** kind of DHARMA stations and each of them has **unique purpose**. There they are:

* **The Hydra** - Zoological Research.
* **The Arrow** - Development of defensive strategies, and Intelligence gathering.
* **The Flame** - Communication.
* **The Pearl** - Psychological Research and/or Observation.
* **The Orchid** - Space-time manipulation research, disguised as a Botanical station.

# Input

Until “**Recruit**” command, you will receive input lines. Each input line will contain information about a **recruit** in the following format:

* {**personName**}:{**facilityNumber**}:{**stationName**}

A person name will contain **only** english alphabet characters.

A person's **facility number** will be **unique**.

Keep in mind that you might be **given an invalid station name.** A recruit that does **not** meet that specified requirement will be considered a hostile and should not be in the DHARMA Initative.

# Output

After all information gathered, you will receive a single input line, a **command**, representing a type of information you should send to Horace Goodspeed and Stuart Radzinsky.

There are **two** types of commands:

* “**DHARMA Initiative**”
* “{**stationName**}”(Ex. “Arrow”).

In case of “**DHARMA Initiative**” command, you should print **ALL** stations, with the **number** of recruits working in them in **descending order**. If two stations have same amount of recruits, sort them **alphabetically**.

On the other side, if you are given a **station name** command, your task will be to check, if the station is **valid**, and if so, print the given station with detailed **information** about the recruits, sorted by their facility **number** in **descending order**.

* In case of **invalid** station print "**DHARMA Initiative does not have such a station!**".
* In case there are **no** recruits in given station, print the station name and purpose, plus "**No recruits.**"

# Constrains

* A person **name** and **number** will be always valid.
* You might be given **invalid** station name.

# Example

|  |  |
| --- | --- |
| **Input** | **Output** |
| Johny Bravo:12345:Hydra  Nakov Svetlin:99999:Arrow  Pesho:66666:Orchid  Rado Rado:12346:Flame  Ivan Ivanov:89594:Pearl  Recruit  DHARMA Initiative | The Arrow has 1 DHARMA recruits in it.  The Flame has 1 DHARMA recruits in it.  The Hydra has 1 DHARMA recruits in it.  The Orchid has 1 DHARMA recruits in it.  The Pearl has 1 DHARMA recruits in it. |
| Johny Bravo:12345:Hydra  Nakov Svetlin:99999:Arrow  Pesho:66666:Orchid  Rado Rado:12346:Arrow  Ivan Ivanov:89594:Arrow  Recruit  Arrow | The Arrow station: Development of defensive strategies, and Intelligence gathering.  ###Nakov Svetlin - 99999  ###Ivan Ivanov - 89594  ###Rado Rado - 12346 |
| Nakov:12345:SoftUni  Recruit  SoftUni | DHARMA Initiative does not have such a station! |