## 10. \*Legendary Farming

You’ve beaten all the content and the last thing left to accomplish is to own a legendary item. However, it’s a tedious process and requires quite a bit of farming. Anyway, you are not too pretentious – any legendary will do. The possible items are:

* **"Shadowmourne"** – requires **250 Shards**
* **"Valanyr"** – requires **250 Fragments**
* **"Dragonwrath"** – requires **250 Motes**

**"Shards", "Fragments",** and **"Motes"** are the **key materials**, all else is **junk.**

You will be given lines of input in the format:

**"{quantity1} {material1} {quantity2} {material2} … {quantityN} {materialN}"**

Keep track of the **key materials -** the **first** that reaches the **250 mark** **wins** the **race**. At that point, print the corresponding legendary obtained.

Then, print the **remaining** shards, fragments, motes, ordered by **quantity** in **descending** order, then by **name** in **ascending** order, each on a new line. Finally, print the collected **junk** items, in **alphabetical** order.

### Input

* Each line comes in the following format:

**{quantity1} {material1} {quantity2} {material2} … {quantityN} {materialN}**

### Output

* On the **first line**, print the obtained item in format: "**{Legendary item} obtained!**"
* On the next **three lines**, print the remaining key materials in descending order by quantity
  + If two key materials have the same quantity, print them in alphabetical order
* On the final **several lines**, print the junk items in alphabetical order
  + All materials are printed in format **"{material}: {quantity}"**
  + All output should be **lowercase**, except the first letter of the legendary

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| '3 Motes 5 stones 5 Shards 6 leathers 255 fragments 7 Shards' | Valanyr obtained!  fragments: 5  shards: 5  motes: 3  leathers: 6  stones: 5 |

|  |  |
| --- | --- |
| **Input** | **Output** |
| '123 silver 6 shards 8 shards 5 motes 9 fangs 75 motes 103 MOTES 8 Shards 86 Motes 7 stones 19 silver' | Dragonwrath obtained!  shards: 22  motes: 19  fragments: 0  fangs: 9  silver: 123 |