## Periodic Table

Write a program that keeps all the **unique** chemical **elements**. On the first line you will be given a number **n** - the **count** of input **lines** that you are going to receive. On the next **n** lines, you will be receiving **chemical** **compounds**, separated by a **single** **space**. Your task is to print all the **unique ones** on separate lines (**order does not matter**):

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  Ce O  Mo O Ce  Ee  Mo | Ce  Ee  Mo  O |
| 3  Ge Ch O Ne  Nb Mo Tc  O Ne | Ch  Ge  Mo  Nb  Ne  O  Tc |