Please submit your solutions (source code) of all below-described problems in [Judge](https://judge.softuni.org/Contests/Practice/Index/2571#2).

# The Story Telling

*There is always a story. It's all stories. The sun coming up every day is a story. Everything’s got a story in it. Change the story, change the world.*

The greatest storyteller of all time needs your help. He has his stories, however, they got all mixed up his storytelling needs to be in the correct order and you need to fix that order. You will be given the stories in the following format on a single line until the command **"End"** is received.

**{preStory} -> {postStory1} {postStory2} {postStoryn-1}**

You have to read the stories data and then print the stories in the correct order according to the description above. Keep in mind that the structure above represents relation in which any story can be **preStory** or **postStory** in different input lines.

## Input

The input will come from the console:

* On a single line, the input in the above format until the **"End"** command is received.

## Output

* On a **single** **line** **print,** the **stories** in the **correct** **order** **separated** by **spaces**
* The **output** **priority**, if there are more than one stories without pre story, should be in the **order of the input**

## Constraints

* All stories will be **valid** and **also** can **contain** any **ASCII** symbol **except** space
* The input will always end with **"End"** line

## Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| Mort -> Time Space  Time -> Future Robot  Space -> Metro  Future -> Space Metro  Robot -> Future  Metro ->  End | Mort Time Robot Future Space Metro |
| By -> The  Story -> The Told  Told -> Narrator  The -> Narrator Ever Greatest  Narrator ->  Some -> Told Ever  Greatest ->  Ever ->  End | Some Story Told By The Greatest Ever Narrator |

# *“There have been times, lately, when I dearly wished that I could change the past. Well, I can’t, but I can change the present so that when it becomes the past it will turn out to be a past worth having.” (I Shall Wear Midnight)*