Problem 3 - Hero Recruitment

Create a program that keeps track of enrolled heroes and their collection of spells (spellbook). You will be receiving the following commands until you receive the command **"End"**:

- "Enroll {HeroName}":
 - o Adds the hero to your collection of heroes.
 - o If the hero is already present in your collection, print: "{HeroName} is already enrolled."
- "Learn {HeroName} {SpellName}":
 - o Adds the spell to the hero's spellbook.
 - o If the hero does not exist in the collection, print: "{HeroName} doesn't exist."
 - o If the hero already has the spell in his spellbook, print: "{HeroName} has already learnt {SpellName}."
- "Unlearn {HeroName} {SpellName}":
 - o Removes the spell from the hero's spellbook.
 - o If the hero doesn't exist in the collection, print: "{HeroName} doesn't exist."
 - o If the spell doesn't exist in the hero's spellbook, print: "{HeroName} doesn't know {SpellName}."

C

```
After receiving the "End" command, print all the heroes: "Heroes:
```

```
== {name1}: {spell1}, {spell2}, {spelln}
== {name2}: {spell1}, {spell2}, {spelln}
...
== {nameN}: {spell1}, {spell2}, {spelln}"
```

Input / Constraints

You will be receiving lines until you receive the "End" command.

Output

• Print the **heroes** in the **format** described above.

Examples

Input	Output
Enroll Stefan	Stefan is already enrolled.
Enroll Peter	John doesn't exist.
Enroll Stefan	George doesn't exist.
Learn Stefan ItShouldWork	Heroes:
Learn John ItShouldNotWork	== Stefan:
Unlearn George Dispel	== Peter:
Unlearn Stefan ItShouldWork	
End	
Enroll Stefan	Stefan has already learnt ItShouldWork.
Learn Stefan ItShouldWork	Stefan doesn't know NotFound.
Learn Stefan ItShouldWork	Heroes:
Unlearn Stefan NotFound End	== Stefan: ItShouldWork

Enroll Stefan	Heroes:
Enroll Peter	== Stefan: Spell
Enroll John	== Peter: Dispel
Learn Stefan Spell	== John:
Learn Peter Dispel	
End	

JS Examples

The input will be provided as an array of strings.

Input	Output
(["Enroll Stefan",	Stefan is already enrolled.
"Enroll Peter",	John doesn't exist.
"Enroll Stefan",	George doesn't exist.
"Learn Stefan ItShouldWork",	Heroes:
"Learn John ItShouldNotWork",	== Stefan:
"Unlearn George Dispel",	== Peter:
"Unlearn Stefan ItShouldWork",	
"End"])	
(["Enroll Stefan",	Stefan has already learnt ItShouldWork.
"Learn Stefan ItShouldWork",	Stefan doesn't know NotFound.
"Learn Stefan ItShouldWork",	Heroes:
"Unlearn Stefan NotFound",	== Stefan: ItShouldWork
"End"])	
(["Enroll Stefan",	Heroes:
"Enroll Peter",	== Stefan: Spell
"Enroll John",	== Peter: Dispel
"Learn Stefan Spell",	== John:
"Learn Peter Dispel",	
"End"])	