## Phonebook

Write a program that receives some info from the console about **people** and their **phone numbers**. Each **entry** should have just **one name** and **one number** (both of them strings).

On each line, you will receive some of the following commands:

* **A {name} {phone}** – adds entry to the phonebook. In case of trying to add a name that is already in the phonebook you should change the existing phone number with the new one provided.
* **S {name}** – searches for a contact by given name and prints it in format "**{name} -> {number}**". In case the contact isn't found, print "**Contact {name} does not exist.**".
* **END** – stop receiving more commands.

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| A Nakov 0888080808  S Mariika  S Nakov  END | Contact Mariika does not exist.  Nakov -> 0888080808 |
| A Nakov +359888001122  A RoYaL(Ivan) 666  A Gero 5559393  A Simo 02/987665544  S Simo  S simo  S RoYaL  S RoYaL(Ivan)  END | Simo -> 02/987665544  Contact simo does not exist.  Contact RoYaL does not exist.  RoYaL(Ivan) -> 666 |
| A Misho +359883123  A Misho 02/3123  S Misho  END | Misho -> 02/3123 |