# Problem 12 – Phone Numbers

You are given a string, holding ASCII characters. Find all **name -> phone number** pairs, format them and print them in an **ordered list** as list items.

The **name** should be at least **one letter long, can contain only letters** and should **always start with an uppercase letter**.

The **phone** **number** should be at least **two digits long**, **should start and end with a digit** (**optionally**, there might be a **“+” in front)** and might **contain** the following symbols in it: **“(“, “)”, “/”, “.”, “-”, “ “** (left and right bracket, slash, dot, dash and whitespace).

Between a name and the phone number there might be **any number of symbols, other than letters and “+”**.

Between the name -> phone number pairs there might be **any number of ASCII symbols**.

The output format should be **<b>[name]:</b> [phone number]** (there is **one** **space between** the name and the phone number). Clear any characters other than digits and “+” from the number when printing the output.

### Input

The input will be read from the console. It will consist of several lines holding the input string. The command "**END**" denotes the end of input.

### Output

The output should hold the **resulting ordered list (on a single line)**, or a single **paragraph,** holding“**No matches!**”

### Constraints

* The **numbers string** will hold only **ASCII** characters (no Unicode).
* Allowed working time: 0.1 seconds. Allowed memory: 16 MB.

### Examples

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| **Input** |
| **Angel**$(\*^#**029661234**!@#**Pesho** ,.' **+3592/9653241**;'“:{},. **Ivan** **0888 123 456** **John**-=\_**555.123.4567** Stoian!@#$#@ Gosho )=\_\* **Steven** #$(\*&**+1-(800)-555-2468**  END |
| **Output (li items are separated on new lines for convenience)** |
| <ol><li><b>Angel:</b> 029661234</li>  <li><b>Pesho:</b> +35929653241</li> <li><b>Ivan:</b> 0888123456</li> <li><b>John:</b> 5551234567</li> <li><b>Steven:</b> +18005552468</li></ol> |

|  |
| --- |
| **Input** |
| There are no phone numbers here!!!  END |
| **Output** |
| <p>No matches!</p> |

([A-Z][A-Za-z]\*)[^A-Za-z\+0-9]\*(\+\*[0-9]+[)(\-\s\/.0-9]\*[0-9]+)[^A-Za-z\+]\*