## **Problem 4. Message Translator**

Create a program, that checks if its inputs have a valid command and a valid message and then encrypts it.

You will receive the number - n - of messages. You much check if each message is valid.

A message is valid when:

- The command is surrounded by '!', starts with a uppercase letter, and then is followed by only lowercase
- The command needs to be a minimum of 3 characters long
- There is a **colon** after the command.
- There is message consisting of alphabetical letters between '[' and ']'.
- It needs to be a **minimum** of **8** characters long.

#### Example for a valid message:

```
"!Send!:[IvanisHere]"
```

You need to **check** if the **message** is **valid**.

- If it is valid encrypt it.
- If it isn't valid- **print** the following **message**:

Encrypting a message means to take all letters from the message and turn them into ASCII numbers. After successful encrypt, print it in the following format:

```
{command}: {number<sub>1</sub>} {number<sub>2</sub>} {number<sub>3</sub>} (...)
```

Note: Encrypt only the text in the message. If you have "[Ivan is Here]", the part that you need to encrypt is "Ivan is Here".

#### Input

You receive a line - input that you have to check if it has a valid message.

### **Output**

Print the **result** in **format** described above.

















<sup>&</sup>quot;The message is invalid"

# **Examples**

Input	Output
<pre>2, [`!Send!:[IvanisHere]`,</pre>	Send: 73 118 97 110 105 115 72 101 114 101 The message is invalid
<pre>3, [`go:[outside]`,</pre>	The message is invalid The message is invalid Watch: 76 111 114 100 111 102 84 104 101 82 105 110 103 115











