# Emoji Sumator

Create a program, that finds all of the **emojis** in **a given message** and makes some calculations. You will receive a few lines of input**.** On the **first** **line**, you will receive a single **line of text (ASCII symbols).** On the **next** **line**, you will receive an **emoji code** in the following format:

“**number:number:number:(…)**”

**Each number is the value of an ASCII symbol** and if you decrypt **all of the symbols**, you will receive a name of an emoji.

An emoji is **valid** when:

* It is surrounded by **colons** **and consists of** **at least 4 lowercase letters** from the English alphabet.
* **Before** the emoji there is a **white space** and **after it** there isa **white space or any of the following punctuation marks:** ‘,’, ‘.**’, ‘!’, ‘?’.**

**Example for valid emojis:**

I hope you have a **:sunny:** day **:smiley: :smiley:**.

You must find all of the emojis and after that, calculate their total power. It is calculated **by summing the ASCII value of all letters between the colons**.

**Check** if any of the valid **emoji names is equal to the name** received form **the emoji code** and **if it is – multiply the total emoji power by 2**.

In the end print on the console all valid emojis, **separated by а comma and a white space in order of finding** and the total emoji power, each on a separate line.

**Example:  
Emojis found: :sunny:, :smiley:, :smiley:  
Total Emoji Power: {sum}**

## Input / Constraints

* On the first line – the message. **There can be any ASCII character inside the input.**
* Punctuation marks used will be only ‘,’, ‘.**’, ‘!’, ‘?’.**
* A valid emoji consists of at least **4 lowercase letters surrounded by colons**.

## Output

* Print all found emojis, separated by a comma and whitespace.
* Print the sum of all emojis’ power.
* Allowed working **time** / **memory**: **100ms** / **16MB**

## Examples

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comment** |
| Hello I am Mark from :England: and I am :one: :seven: years old, I have a :hamster: as pet.  115:101:118:101:110 | Emojis found: :seven:, :hamster:  Total Emoji Power: 2602 | The only valid emojis here are :seven: and :hamster: because they are longer than 3 symbols and consist only of lowercase letters. :England: is not a valid emoji because of the upper case ‘E’. :one: is not a valid emoji because it is shorter than 4 symbols. Then we sum all letters’ ASCII value: ‘h’ = 104, ‘a’ = 97, ‘m’ = 109, ‘s’ = 115, ‘t’ = 116, ‘e’ = 101, ‘r’ = 114. Total for :hamster: is 756. Total for :seven: is 545. The total power is 1301. After that we check if the emoji code corresponds to any emoji, and in this case it does correspond to :seven:, so we multiply the total emoji power and in the end it is 2602. |
| In the Sofia Zoo there are many animals, such as :ti ger:, :elephan:t, :monk3y:, :goriLLa:, :fox:.  97:101:117:114 | Total Emoji Power: 0 | :ti ger:, :elephan:t, :monk3y:, :goriLLa:, :fox: are all invalid emojis, so we have 0 total emoji power. |