

Problem 13 – Sum of All Values

You are given a **keys string** and a **text string**. Write a program that finds the **start key** and the **end key** from the **keys string** and then **applies them** to the **text string**.

The **start key** will **always** stay at the **beginning** of the **keys string**. It can contain **only letters and underscore** and **ends** just before the **first found digit**.

The **end key** will **always** stay at the **end** of the **keys string**. It can contain **only letters and underscore** and **starts** just after the **last found digit**.

Print at the console the **sum of all values (only integer and floating-point numbers with dot as a separator are considered valid)** in the **text string**, between a **start key** and an **end key**. If the value is 0 then print "The total value is: *nothing*". If no start key or no end key is found then print "A key is missing".

Input

The input will be read from the console. The first line will hold the keys string and the second line will hold the text to search.

Output

The output should hold the **result text**, printed in an HTML paragraph. The actual value of the sum should be *italic*.

Constraints

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

Examples

Input	
keysString	startKEY12adghfgh243212gadghfgs43endKEY
textString	asdjykulgfjddfsffdstartKEY12endKEYqwfrhtyu67543rewghy3tefdgd startKEY123.45endKEYwret34yrestartKEY2.6endKEY213434ytuhrgerweasfd startKEYendKEYstartKEYasfdgeendKEY
Output	
<p>The total value is: 138.05</p>	

Input	
keysString	startKEY12a
textString	asdjykulgfjddfsffdstartKEY12endKEYqwfrhtyu67543rewghy3tefdgdstartKEY123 .45endKEYwret34yrestartKEY2.6endKEY213434ytuhrgerweasfd startKEYendKEYstartKEYasfdgeendKEY
Output	
<p>The total value is: nothing</p>	

Input	
keysString	startKEY12
textString	asdjykulgfjddfsffdstartKEY12endKEYqwfrhtyu67543rewghy3tefdgd
Output	
<p>A key is missing</p>	