## Area and Volume Calculator

Write a function that **calculates** the **area** and the **volume** of a figure, which is **defined** by its **coordinates**   
(**x**, **y**, **z**).

|  |
| --- |
| area() |
| function area() {      return Math.abs(this.x \* this.y);  }; |

|  |
| --- |
| vol() |
| function vol() {      return Math.abs(this.x \* this.y \* this.z);  }; |

|  |
| --- |
| solve() |
| function solve(area, vol, input) {      //ToDo....  } |

### Input

You will receive **3** parameters - the **functions** **area** and **vol** and a **string**, which contains the figures' coordinates.

**For more information check the examples.**

### Output

The output should be **returned** as an **array** **of objects**. Each object has **two** **properties**: the figure's **area** and **volume**.

**[**

**{ area: ${area1}, volume: ${volume1} },**

**{ area: ${area2}, volume: ${volume2} },**

**. . .**

**]**

### Note:

**Submit only the solve function.**

### Examples

|  |  |
| --- | --- |
| Sample Input | Output |
| area, vol, `[  {"x":"1","y":"2","z":"10"},  {"x":"7","y":"7","z":"10"},  {"x":"5","y":"2","z":"10"}  ]` | [  { area: 2, volume: 20 },  { area: 49, volume: 490 },  { area: 10, volume: 100 }  ] |
| area, vol, `[  {"x":"10","y":"-22","z":"10"},  {"x":"47","y":"7","z":"-5"},  {"x":"55","y":"8","z":"0"},  {"x":"100","y":"100","z":"100"},  {"x":"55","y":"80","z":"250"}  ]` | [  { area: 220, volume: 2200 },  { area: 329, volume: 1645 },  { area: 440, volume: 0 },  { area: 10000, volume: 1000000 },  { area: 4400, volume: 1100000 }  ] |