

## Problem 2 - Destination Mapper

Problem for exam preparation for the [Programming Fundamentals Course @SoftUni](#).

Submit your solutions in the SoftUni judge system at <https://judge.softuni.org/Contests/Practice/Index/2518#1>.

Now that you have planned out your tour, you are ready to go! Your next task is to mark all the points on the map that you are going to visit.

You will be given a **string** representing some **places** on the map. You have to **filter** only the **valid ones**. A valid location is:

- Surrounded by "=" or "/" on **both sides** (the **first** and the **last** symbols must **match**)
- After the **first** "=" or "/" there should be **only letters** (the **first** must be **upper-case**, other letters could be upper or lower-case)
- The **letters** must be **at least 3**

**Example:** In the string "**=Hawai=/Cyprus/=Invalid/invalid==i5valid=/I5valid/=i=**" only the **first two** locations are valid.

After you have **matched** all the **valid locations**, you have to **calculate travel points**. They are calculated by **summing** the **lengths** of all the **valid destinations** that you have found on the map.

In the end, on the **first line**, print: **"Destinations: {destinations joined by ', '}"**.

On the **second line**, print **"Travel Points: {travel\_points}"**.

### Input / Constraints

- You will receive a string representing the **locations on the map**
- **JavaScript:** you will receive a **single parameter: string**

### Output

- Print the **messages described above**

### Examples

Input	Output
=Hawai=/Cyprus/=Invalid/invalid==i5valid=/I5valid/=i=	Destinations: Hawai, Cyprus Travel Points: 11
ThisIs some InvalidInput	Destinations: Travel Points: 0

### JS Examples

Input	Output
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<pre>("=Hawai=/Cyprus/=Invalid/invalid==i5valid=/I5valid/=i=")</pre>	Destinations: Hawai, Cyprus  Travel Points: 11
<pre>("ThisIs some InvalidInput")</pre>	Destinations:  Travel Points: 0