16 Acronymizer
7 points

Introduction

You have a summer internship at a local newspaper. Your job consists of reviewing the news to identify potential acronyms in the text. An acronym is an abbreviation formed from the initial letters of other words and written as a single word. To make your life easier, you have decided to write a program to do the job.

> **HINT:** To make things easier consider that there will not be two consecutive acronyms.

Input

A sentence with words separated by a single space, without commas and ended with a period.

Output

A sentence replacing the input sentence with the consecutive words that contain the first character capitalized by its corresponding acronym.

Example 1

Input

```
Welcome to Code Wars held by Hewlett Packard in Barcelona site.
```

Output

```
Welcome to CW held by HP in Barcelona site.
```

Example 2

Input

```
They will travel to United States and visit the National Aeronautics
Space Administration.
```

Output

```
They will travel to US and visit the NASA.
```