


824. Goat Latin

Solved 

Easy

Topics

Companies

You are given a string `sentence` that consists of words separated by spaces. Each word consists of lowercase and uppercase letters only.

We would like to convert the sentence to "Goat Latin" (a made-up language similar to Pig Latin.) The rules of Goat Latin are as follows:

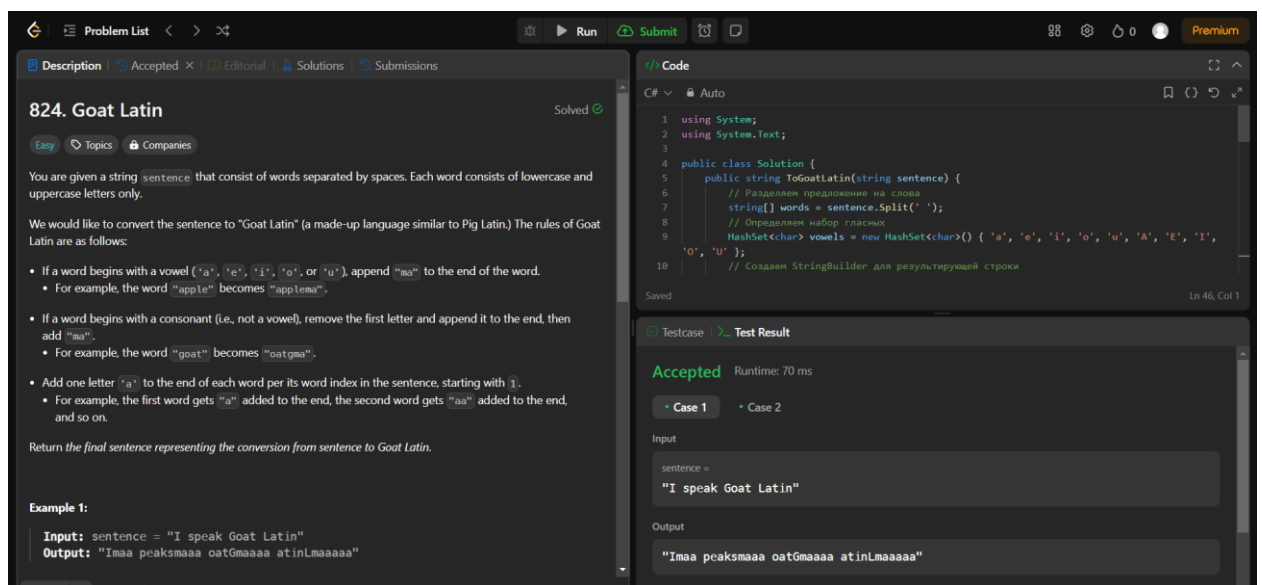
- If a word begins with a vowel ('a', 'e', 'i', 'o', or 'u'), append "ma" to the end of the word.
 - For example, the word "apple" becomes "applema".
- If a word begins with a consonant (i.e., not a vowel), remove the first letter and append it to the end, then add "ma".
 - For example, the word "goat" becomes "oatgma".
- Add one letter 'a' to the end of each word per its word index in the sentence, starting with 1.
 - For example, the first word gets "a" added to the end, the second word gets "aa" added to the end, and so on.

Return the final sentence representing the conversion from sentence to Goat Latin.

Example 1:

Input: `sentence = "I speak Goat Latin"`

Output: `"Imaa peaksmaaa oatGmaaaa atinLmaaaaa"`




The screenshot shows a code editor with the following content:

Problem List < > 🔍

Description | Accepted | Editorial | Solutions | Submissions

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- If a word begins with a vowel ('a', 'e', 'i', 'o', or 'u'), append "ma" to the end of the word.
 - For example, the word "apple" becomes "applema".
- If a word begins with a consonant (i.e., not a vowel), remove the first letter and append it to the end, then add "ma".
 - For example, the word "goat" becomes "oatgma".
- Add one letter 'a' to the end of each word per its word index in the sentence, starting with 1.
 - For example, the first word gets "a" added to the end, the second word gets "aa" added to the end, and so on.

Return the final sentence representing the conversion from sentence to Goat Latin.

Example 1:

Input: `sentence = "I speak Goat Latin"`

Output: `"Imaa peaksmaaa oatGmaaaa atinLmaaaaa"`

Code C# Auto

```
1 using System;
2 using System.Text;
3
4 public class Solution {
5     public string ToGoatLatin(string sentence) {
6         // Разделен предложение на слова
7         string[] words = sentence.Split(' ');
8         // Определяем набор гласных
9         HashSet<char> vowels = new HashSet<char>() { 'a', 'e', 'i', 'o', 'u', 'A', 'E', 'I',
10             'O', 'U' };
11         // Создаем StringBuilder для результирующей строки
```

Saved Ln 46, Col 1

Testcase | **Test Result**

Accepted Runtime: 70 ms

Case 1 Case 2

Input

`sentence =`
`"I speak Goat Latin"`

Output

`"Imaa peaksmaaa oatGmaaaa atinLmaaaaa"`

Код:

```
using System;
using System.Collections.Generic;
using System.Text;

public class Solution
{
    public string ToGoatLatin(string sentence)
```

```

{
    // Разделяем предложение на слова
    string[] words = sentence.Split(' ');
    // Определяем набор гласных
    HashSet<char> vowels = new HashSet<char>() { 'a', 'e', 'i', 'o', 'u', 'A',
'E', 'I', 'O', 'U' };
    // Создаем StringBuilder для результирующей строки
    StringBuilder result = new StringBuilder();

    // Проходим по каждому слову в предложении
    for (int i = 0; i < words.Length; i++)
    {
        string word = words[i];
        StringBuilder goatWord = new StringBuilder();

        // Проверяем, начинается ли слово с гласной
        if (vowels.Contains(word[0]))
        {
            goatWord.Append(word);
        }
        else
        {
            // Если слово начинается с согласной
            goatWord.Append(word.Substring(1));
            goatWord.Append(word[0]);
        }

        // Добавляем "ma" в конец слова
        goatWord.Append("ma");

        // Добавляем 'a' в зависимости от индекса слова (i + 1)
        for (int j = 0; j <= i; j++)
        {
            goatWord.Append('a');
        }

        // Добавляем полученное слово в результирующую строку
        if (i > 0)
        {
            result.Append(' ');
        }
        result.Append(goatWord.ToString());
    }

    // Возвращаем окончательный результат
    return result.ToString();
}
}

```