# Question:

Replace all the vowels of the given input string with a single digit number.

**Input:**

String of length L and all lower-case letters.

**Output:**

Input String replaced with the digit.

**Program explanation:**

Replace all the vowels in the given input string with a single digit number you get after all the below steps.

Step 1: Get the index of the vowel in the given input.

Step 2: Multiply the index with 100.

Step 3: Sum all the prime numbers between 1 and the resulting number from last step.

Step 4: Add the digits of the number you get from the last step until you get a single digit.

Step 5: Now, Replace the vowel with the digit from the last step.

# Example 1:

**Input:**

hello

# Output:

h7ll9

**Explanation:**

Step 1: First vowel found at index 1.

Step 2: 1 \* 100 = 100

Step 3: Sum of prime numbers between 1 and 100 is 1060

Step 4: Sum of each digit until we get single digit:

= 1 + 0 + 6 + 0

= 7

Step 5:

Replace e with 7

Output

now: h7llo

Step 1: Next vowel found at index 4.

Step 2: 4 \* 100 = 400

Step 3: Sum of prime numbers between 1 and 400 is 13887

Step 4: Sum of each digit until we get single digit:

= 1 + 3 + 8 + 8 + 7

= 27

= 2 + 7

= 9

Step 5: Replace o with 9

# Final output: h7ll9

**Example 2:**

**Input :** replace this

**Output. :** r7pl9c1 th5s

# Question: 2

Given a lowercase alphabet string s, find the minimum number of swaps required to make it a symmetry string. If it's not possible, then return -1.

# Constraints:

n ≤ 1,000 where n is length of s.

# Example 1 Input

**Output**

**Explanation** "baab".

# Example 2

**Input**

s = "aabb"

Output :

2

Explanation :

We can swap the middle "a" and "b" and then swap the first two "a" and "b" to get

Input

s = "aab"

Output

1

Explanation

We can swap the middle "a" and "b" to get "aba".

# Example 3

# Input

**Output**

**Explanation**

s = "abca"

-1

No Possibilities.