

Re.findall() & Re.finditer()

re.findall()

The expression `re.findall()` returns all the non-overlapping matches of patterns in a string as a list of strings.

Code

```
>>> import re
>>> re.findall(r'\w','http://www.hackerrank.com/')
['h', 't', 't', 'p', 'w', 'w', 'w', 'h', 'a', 'c', 'k', 'e', 'r', 'r', 'a', 'n', 'k', 'c', 'o', 'm']
```

re.finditer()

The expression `re.finditer()` returns an iterator yielding `MatchObject` instances over all non-overlapping matches for the `re` pattern in the string.

Code

```
>>> import re
>>> re.finditer(r'\w','http://www.hackerrank.com/')
<callable-iterator object at 0x0266C790>
>>> map(lambda x: x.group(),re.finditer(r'\w','http://www.hackerrank.com/'))
['h', 't', 't', 'p', 'w', 'w', 'w', 'h', 'a', 'c', 'k', 'e', 'r', 'r', 'a', 'n', 'k', 'c', 'o', 'm']
```

Task

You are given a string S . It consists of alphanumeric characters, spaces and symbols(+, -). Your task is to find all the substrings of S that contains 2 or more vowels. Also, these substrings must lie in between 2 consonants and should contain vowels only.

Note :

Vowels are defined as: AEIOU and aeiou.

Consonants are defined as: QWRTYPSDFGHJKLZXCVBNM and qwrtypsdfghjklzxcvbnm.

Input Format

A single line of input containing string S .

Constraints

$$0 < len(S) < 100$$

Output Format

Print the matched substrings in their order of occurrence on separate lines. If no match is found, print -1.

Sample Input

```
rabcddeefgyYhFjkloomnpOeorteeeeet
```

Sample Output

ee
loo
Oeo
eeeee

Explanation

ee is located between consonant *d* and *f*.

loo is located between consonant *k* and *m*.

Oeo is located between consonant *p* and *r*.

eeeee is located between consonant *t* and *t*.