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# Beautiful Word

by zemen

Problem

Submissions

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Your submission will run against only preliminary test cases. Full test cases will run at the end of the day.

We consider a word,  $w$ , to be *beautiful* if the following two conditions are satisfied:

- No two consecutive characters are the same.
- No two consecutive characters are in the following vowel set: a, e, i, o, u, y. Note that we consider y to be a vowel in this challenge.

For example:

*A Beautiful Word*

batman

*Non-Beautiful Words*

apple beauty

The string batman is beautiful because it satisfies the given criteria; however, apple has two consecutive occurrences of the same letter (pp) and beauty has three consecutive vowels (eau), so those words are not beautiful.

Given  $w$ , print Yes if it is beautiful or No if it is not.

## Input Format

A single string denoting  $w$ .

## Constraints

- $1 \leq \text{length}(w) \leq 100$
- $w$  consists of lowercase English alphabetic letters only (i.e., a through z).

## Output Format

Print Yes if  $w$  is beautiful, or No if it is not.

## Sample Input 0

abacaba

## Sample Output 0

Yes

## Explanation 0

Every pair of consecutive characters consists of one vowel and one consonant, so the word is beautiful and we print Yes.

## Sample Input 1

badd

### Sample Output 1

No

### Explanation 1

There are two consecutive occurrences of `d`, so it is not beautiful and we print `No`.

### Sample Input 2

yes

### Sample Output 2

No

### Explanation 2

The first pair of letters (`y` and `e`) both appear in our set of vowel characters, so the word is not beautiful and we print `No`.

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Contest ends in 6 days

Submissions: [4689](#)

Max Score: 10

Difficulty: Easy

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Current Buffer (saved locally, editable)  

Java 8



```
1 import java.io.*;
2 import java.util.*;
3 import java.text.*;
4 import java.math.*;
5 import java.util.regex.*;
6
7 public class Solution {
8
9     public static boolean checkIfVowel(char c) {
10
11         char[] vowels = {'a','e','i','o','u','y'};
12
13         for(char itrChar : vowels){
14             if (c == itrChar)
15                 return true;
16         }
17         return false;
18     }
19
20     public static boolean isBeautiful(String w) {
21
22         char[] str = w.toCharArray();
23
24         if (w.length() == 1)
25             return true;
26
27         for (int i=1; i<w.length(); i++) {
28             if ((str[i] == str[i-1]) || (checkIfVowel(str[i]) && checkIfVowel(str[i-1]))){
29                 return false;
```

```
30     }
31 }
32     return true;
33 }
34
35 public static void main(String[] args) {
36     Scanner in = new Scanner(System.in);
37     String w = in.next();
38     ///# Print 'Yes' if the word is beautiful or 'No' if it is not.
39
40     boolean ans = isBeautiful(w);
41     if (ans == true)
42         System.out.println("Yes");
43     else
44         System.out.println("No");
45
46 }
47 }
48 }
```

Line: 1 Col: 1

 [Upload Code as File](#)☐ Test against custom input

Run Code

Submit Code

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