Vowels

Given a string array that contains *n* elements, each composed of lowercase English letters, and *q* queries, each query of the format *l-r,* for each query, determine how many strings starting from index *l* and ending at index *r* have vowels as the first and last character. Vowels are in *{a,e,i,o,u}.*

Example
strArr = ['aba','bcb','ece','aa','e']
queries = ['1-3','2-5','2-2']

These strings represent two dash delimited integers *l* and *r,* the start and end indices of the interval, inclusive. Using *1*-based indexing in the string array, the interval *1-3* contains two strings that start and end with a vowel: 'aba' and 'ece'. The interval *2-5* also has three. The third interval, from *2-2*, the only element in the interval, 'bcb' does not begin and end with a vowel. The return array for the queries is *[2, 3, 0].*

Function Description

Complete the *hasVowels* function in the editor below. It must return an array of integers that represent the result of each query in the order given.

hasVowels has the following parameters.
strArr string[]: an array of *n* strings
query string[]: an array of *q* strings, each of which describes an interval *l-r* using integers delimited by a dash

Constraints

- $1 \le n, q \le 10^5$
- $1 \le l \le r \le n$
- *1 ≤ size of strArr[i] ≤ 10*

Sample Case 0
Sample Input For Custom Testing

```
STDIN         Function
-----         --------
5        →    strArr[] size n = 5
aab      →    strArr = [ "aab", "a", "bcd", "awe", "bbbbbu" ]
a
bcd
awe
bbbbbu
2        →    query[] size n = 2
2-3      →    query = [ "2-3", "4-5" ]
4-5
```

Sample Output

```
1
1
```

Explanation
n = 5

strArr = ['aab', 'a', 'bcd', 'awe', 'bbbbbu']
q = 2
query = ['2-3', '4-5']
For the first query, *2-3*, only the string at *index 2* has a vowel as the first and last character. For the second query, *4-5*, only the string at *index 4* has vowels as the first and last characters.

Sample Case 1

Sample Input For Custom Testing

```
STDIN         Function
-----         --------
3        →    strArr[] size n = 3
yy       →    strArr = [ "yy", "u", "oe" ]
u
oe
2        →    query[] size n = 2
1-2      →    query = [ "1-2", "2-3" ]
2-3
```

Sample Output

```
1
2
```

Explanation

n = 3
strArr = ['yy', 'u', 'oe']
q = 2
query = ['1-2', '2-3']

For the first query, *1-2*, only the string at *index 2* has a vowel as the first and last character. For the second query, *2-3*, both the strings at indices *2* and *3* have vowels as the first and last characters.