1h 30m 18. Vowels ALL Given a string array that contains n elements, each composed of lowercase English letters, and q queries, <u>(i)</u> each query of the format I-r, for each query, determine how many strings starting from index I and ending at index r have vowels as the first and last character. Vowels are in {a,e,i,o,u}. 10 Example strArr = ['aba', 'bcb', 'ece', 'aa', 'e'] 11 queries = ['1-3','2-5','2-2'] 12 These strings represent two dash delimited integers / 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 13 the interval, 'bcb' does not begin and end with a vowel. The return array for the queries is [2, 3, 0]. 14 **Function Description** 15 Complete the has Vowels function in the editor below. It must return an array of integers that represent the result of each query in the order given. 16 hasVowels has the following parameters. strArr string[]: an array of n strings 17 query string[]: an array of q strings, each of which describes an interval I-r using integers delimited by a 18 Constraints • $1 \le n, q \le 10^5$ 19 • 1≤l≤ r≤n 1 < size of strArr[i] < 10 ▼ Input Format For Custom Testing The first line contains an integer, *n*, that denotes the number of elements in *strArr*. Each line i of the n subsequent lines (where $1 \le i \le n$) contains a string that describes $strArr[i]_i$ The next line contains an integer, q, denoting the number of elements in query. Each line j of the q subsequent lines (where $0 \le j < q$) contains a string describing query[j]. ▼ Sample Case 0 **Sample Input For Custom Testing** STDIN Function strArr[] size n = 5 strArr = ["aab", "a", "bcd", "awe", "bbbbbu"] aab bcd bbbbbu query[] size n = 2 query = ["2-3", "4-5"] 2-3 4-5 Sample Output **Explanation** n = 5strArr = ['aab', 'a', 'bcd', 'awe', 'bbbbbu'] q = 2auerv = ['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 strArr[] size n = 3 strArr = ["yy", "u", "oe"] уу oe query[] size n = 2 query = ["1-2", "2-3"] Sample Output **Explanation** n = 3strArr = ['yy', 'u', 'oe']

For the first query, 1-2, only the string at index 2 has a vowel as the first and last character. For the

q = 2 query = ['1-2', '2-3']

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Test Results

• Autocomplete Ready ①

• Autocomplete Ready ②

• Autocomplete Ready ③

• Autocomplete R
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