2785. Sort Vowels in a String

My Submissions (/contest/biweekly-contest-109/problems/sort-vowels-in-a-string/submissions/)   Back to Contest (/contest/biweekly-contest-109/)

Given a **0-indexed** string s, **permute** s to get a new string t such that:

- All consonants remain in their original places. More formally, if there is an index i with $0 <= i < s.length$ such that $s[i]$ is a consonant, then $t[i] = s[i]$.
- The vowels must be sorted in the **nondecreasing** order of their **ASCII** values. More formally, for pairs of indices i, j with $0 <= i < j < s.length$ such that $s[i]$ and $s[j]$ are vowels, then $t[i]$ must not have a higher ASCII value than $t[j]$.

Return *the resulting string*.

The vowels are `'a'`, `'e'`, `'i'`, `'o'`, and `'u'`, and they can appear in lowercase or uppercase. Consonants comprise all letters that are not vowels.

User Accepted:	14135
User Tried:	14805
Total Accepted:	14478
Total Submissions:	19476
Difficulty:	Medium

Example 1:

```
Input: s = "lEetcOde"
Output: "lEOtcede"
Explanation: 'E', 'O', and 'e' are the vowels in s; 'l', 't', 'c', and 'd' are all consonants. The vowels are sorted according
```

Example 2:

```
Input: s = "lYmpH"
Output: "lYmpH"
Explanation: There are no vowels in s (all characters in s are consonants), so we return "lYmpH".
```

Constraints:

- $1 <= s.length <= 10^5$
- s consists only of letters of the English alphabet in **uppercase and lowercase**.

Discuss (https://leetcode.com/problems/sort-vowels-in-a-string/discuss)

JavaScript

```javascript
1   const isVowel = (c) => 'aeiouAEIOU'.indexOf(c) != -1;
2   const ord = (c) => c.charCodeAt();
3
4   const sortVowels = (s) => {
5       s = s.split("");
6       let ia = [], ib = [], res = Array(s.length);
7       s.map((c, i) => {
8           isVowel(c) ? ia.push(c) : ib.push(c);
9       });
10      ia.sort((x, y) => ord(x) - ord(y));
11      let p = 0, q = 0;
12      s.map((c, i) => res[i] = isVowel(c) ? ia[p++] : ib[q++]);
13      return res.join("");
14  };
```

☐ **Custom Testcase**   [Use Example Testcases]

⏵ Run   ☁ Submit

Submission Result: Accepted (/submissions/detail/1001257804/) ❓   [More Details ❯ (/submissions/detail/1001257804/)]

Share your acceptance!

Copyright © 2023 LeetCode

Help Center (/support) | Jobs (/jobs) | Bug Bounty (/bugbounty) | Online Interview (/interview/) | Students (/student) | Terms (/terms) | Privacy Policy (/privacy)

🇺🇸 United States (/region)