Python | Autocomplete

```python
class Solution(object):
    def findSmallestRegion(self, regions, region1, region2):
        """
        :type regions: List[List[str]]
        :type region1: str
        :type region2: str
        :rtype: str
        """
```

1257. Smallest Common Region

Medium   👍 108   👎 14   ♡ Add to List   ⊓ Share

You are given some lists of `regions` where the first region of each list includes all other regions in that list.

Naturally, if a region `x` contains another region `y` then `x` is bigger than `y`. Also by definition a region X contains itself.

Given two regions `region1`, `region2`, find out the **smallest** region that contains both of them.

If you are given regions `r1`, `r2` and `r3` such that `r1` includes `r3`, it is guaranteed there is no `r2` such that `r2` includes `r3`.

It's guaranteed the smallest region exists.

Example 1:

```
Input:
regions = [["Earth","North America","South America"],
["North America","United States","Canada"],
["United States","New York","Boston"],
["Canada","Ontario","Quebec"],
["South America","Brazil"]],
region1 = "Quebec",
region2 = "New York"
Output: "North America"
```

Constraints:

- `2 <= regions.length <= 10^4`
- `region1 != region2`
- All strings consist of English letters and spaces with at most 20 letters.

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