1258. Synonymous Sentences Premium

Medium | Topics | Companies | Hint

You are given a list of equivalent string pairs `synonyms` where `synonyms[i] = [si, ti]` indicates that `si` and `ti` are equivalent strings. You are also given a sentence `text`.

Return *all possible synonymous sentences* ***sorted lexicographically***.

Example 1:

```
Input: synonyms = [["happy","joy"],["sad","sorrow"],["joy","cheerful"]], text = "I am happy today but was sad yesterday"
Output: ["I am cheerful today but was sad yesterday","I am cheerful today but was sorrow yesterday","I am happy today but was sad yesterday","I am happy today but was sorrow yesterday","I am joy today but was sad yesterday","I am joy today but was sorrow yesterday"]
```

Example 2:

```
Input: synonyms = [["happy","joy"],["cheerful","glad"]], text = "I am happy today but was sad yesterday"
Output: ["I am happy today but was sad yesterday","I am joy today but was sad yesterday"]
```

Constraints:

- `0 <= synonyms.length <= 10`
- `synonyms[i].length == 2`
- `1 <= si.length, ti.length <= 10`
- `si != ti`
- `text` consists of at most `10` words.
- All the pairs of `synonyms` are **unique**.
- The words of `text` are separated by single spaces.

Seen this question in a real interview before? 1/5

Yes No

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Topics

Array Hash Table String Backtracking Union Find

Companies

0 - 3 months

Moveworks 2

0 - 6 months

Cruise 2

6 months ago

Rippling 2

Hint 1

Find all synonymous groups of words.

Hint 2

Use union-find data structure.

Hint 3

By backtracking, generate all possible statements.

Discussion (12)

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