

288. Unique Word Abbreviation

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An abbreviation of a word follows the form <first letter> <number> <last letter>. Below are some examples of word abbreviations:

a) it --> it (no abbreviation)

1
↓

b) d|o|g --> d1g

1 1 1
1---5---0---5---8
↓ ↓ ↓ ↓ ↓

c) i|nternationalizatio|n --> i18n

1
1---5---0
↓ ↓ ↓

d) l|ocalizatio|n --> l10n

Assume you have a dictionary and given a word, find whether its abbreviation is unique in the dictionary. A word's abbreviation is unique if no other word from the dictionary has the same abbreviation.

Example:

Given dictionary = ["deer", "door", "cake", "card"]

isUnique("deer") -> false

isUnique("card") -> true

isUnique("cane") -> false

isUnique("make") -> true

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Yes

No

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```

1 class ValidWordAbbr(object):
2
3     def __init__(self,
4         dictionary):
5         """
6         :type dictionary:
7         List[str]
8         """
9
10        def isUnique(self, word):
11            """
12            :type word: str
13            :rtype: bool
14            """
15
16
17        # Your ValidWordAbbr object will
18        # be instantiated and called as
19        # such:
20        # obj = ValidWordAbbr(dictionary)
21        # param_1 = obj.isUnique(word)

```