Problem # 804: Unique Morse Code Words (Easy)

<https://leetcode.com/problems/unique-morse-code-words/>

My Solution:

Runtime beats 93.15%.

1. Map the letter to their corresponding Morse code in my\_dict.

2. Take every word in the words list and get the corresponding Morse code of the word as string by iterating through each letter in the word.

3. Put the morse code of the word (i.e. Morse code string) in a set called word\_code\_set. Using a set will keep only unique entries of Morse code strings.

4. Return the length of word\_code\_set.

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class Solution:

def uniqueMorseRepresentations(self, words: List[str]) -> int:

letter\_code = [".-","-...","-.-.","-..",".","..-.","--.","....","..",".---","-.-",".-..","--","-.","---",".--.","--.-",".-.","...","-","..-","...-",".--","-..-","-.--","--.."]

my\_dict = {}

for i in range(26):

letter = chr(ord('a') + i)

my\_dict[letter] = letter\_code[i]

#print("my\_dict = ", my\_dict)

word\_code\_set = set()

for word in words:

word\_code = ""

for letter in word:

word\_code += my\_dict[letter]

word\_code\_set.add(word\_code)

return len(word\_code\_set)