class TrieNode:

# Initialize your data structure here.

def \_\_init\_\_(self):

self.children = collections.defaultdict(TrieNode)

self.is\_word = False

class Trie:

def \_\_init\_\_(self):

self.root = TrieNode()

def insert(self, word):

current = self.root

for letter in word:

current = current.children[letter]

current.is\_word = True

def search(self, word):

current = self.root

for letter in word:

current = current.children.get(letter)

if current is None:

return False

return current.is\_word

def startsWith(self, prefix):

current = self.root

for letter in prefix:

current = current.children.get(letter)

if current is None:

return False

return True