Challenge 7: Word Formation Using a Hash Table

We solved this problem using tries. Now, let's try it out with hash tables.

We'll cover the following ∧

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Problem Statement

You have to implement the `is_formation_possible()` function which will find whether a given word can be formed by combining two words from a dictionary. We assume that all words are in lower case.

Input

A list and a query word containing lowercase characters.

Output

Returns `True` if the given word can be generated by combining two words from the list.

Sample Input

```
lst = ["the", "hello", "there", "answer", "any",
        "by", "world", "their","abc"]

word = "helloworld"
```

Sample Output

```
True
```

List:

the	hello	there	answer	any	by	world	their	abc

Word to be formed: `helloworld`   **Output: True!**

Coding Exercise

Design a step-by-step algorithm first before jumping on to the implementation. Try to think whether a recursive or an iterative approach would be better.

If you get stuck, you can always refer to the solution review.

Good luck!

```
main.py
HashTable.py
HashEntry.py
```

```python
1  from HashTable import HashTable
2
3
4  def is_formation_possible(lst, word):
5      # Write your code here
6      pass
7
```

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