Challenge 3: Find Symmetric Pairs in a List

Now we will implement a symmetry detection algorithm using hash tables.

We'll cover the following

Problem Statement

By definition, (a, b) and (c, d) are symmetric pairs iff, `a = d` and `b = c`. In this problem, you have to implement the `find_symmetric(list)` function which will find all the symmetric pairs in a given list.

Input

A list.

Output

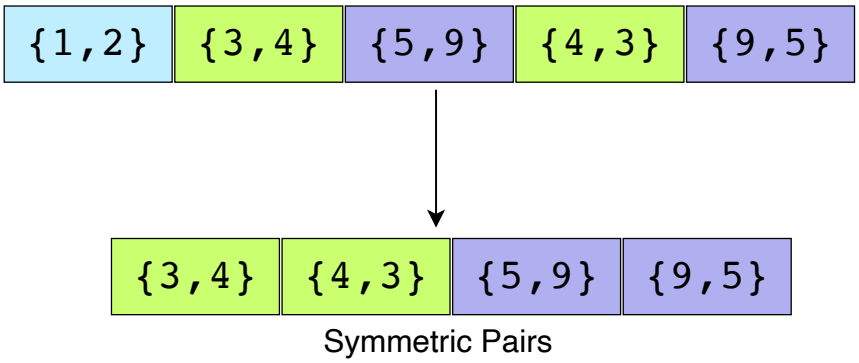
A list containing all the symmetric pairs of elements in the input list.

Sample Input

```
list = [[1, 2], [3, 4], [5, 9], [4, 3], [9, 5]]
```

Sample Output

```
[[3, 4], [4, 3], [5, 9], [9, 5]]
```



Coding Exercise

Take a close look at the problem and design a step-by-step algorithm first before jumping on to the implementation. This problem is designed for your practice, so try to solve it on your own first. If you get stuck, you can always refer to the solution review provided.

Good Luck!

```
def find_symmetric(my_list):
    # Write your code here
    pass
```

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Solution Review: Find Symmetric Pairs...

Mark as Completed

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