MT17143

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Problem 2:

**Explain the time**

**Complexity of the algorithm in brief. Can there be a better algorithmic approach than this ?**

Time complexity of the implementation of fluery algorithm is O ((V+E)2).

This is because the complexity of BFS used in the algorithm is O(V+E)

And the rest that we have implemented is again O(V+E)

making it O((V+E)\*(V+E)) = O ((V+E)2).

A better approach is  [Hierholzer’s Algorithm](http://www.geeksforgeeks.org/hierholzers-algorithm-directed-graph/) that finds in O(V+E) time