Fundamentals of Computer Algorithms Homework 4 Additional Problems

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- 1. Implement the function findCycle in the attached python source file. In your homework submission, only submit your function, not the whole source file. Your function should find *one* cycle, if it exists. It does not need to find the shortest cycle.
- 2. Let us suppose that \mathbb{G} is a directed graph and the vertex $s \in G$ has in-deg $(s) \neq 0$ and out-deg $(s) \neq 0$. Is it possible for the DFS tree for s to contain only s?