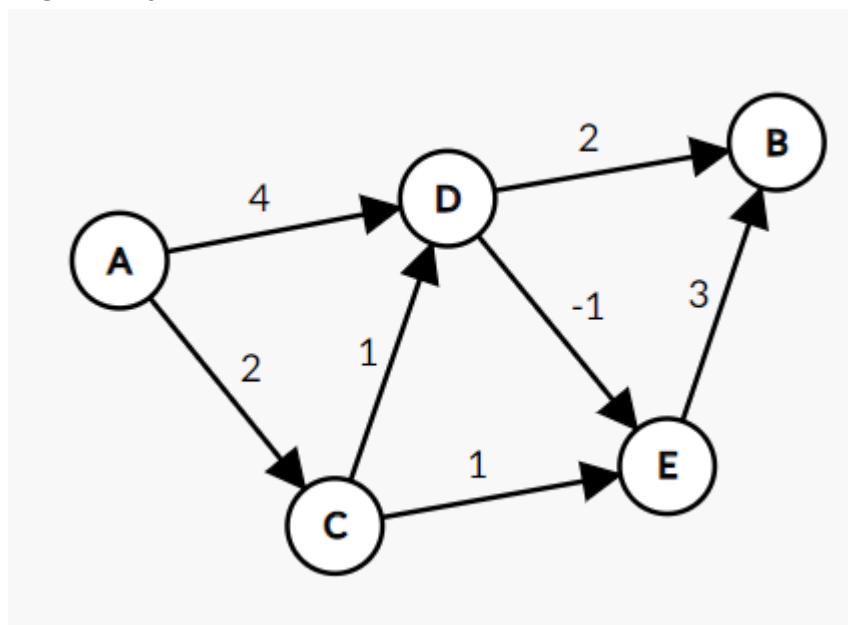


## Module - 17.5: Practice Problems

1. “It is impossible to get the shortest distance to a node in a graph with **negative cycles**” - is this statement correct? Explain why or why not with an example.
2. Will **Bellman-Ford** work on **unweighted graphs**? Why or why not?
3. Simulate **Bellman-Ford** Algorithm on the following graph? Detect if there exists any **negative cycle**. Show simulation steps. No code is required.



4. Simulate **Bellman-Ford** in the following graph and detect the **negative cycle** in it. Show your simulation steps. No code is required.

