

Exercise 4.4.16: Suppose that we convert an `EdgeWeightedGraph` into an `EdgeWeightedDigraph` by creating two `DirectedEdge` objects in the `EdgeWeightedDigraph` (one in each direction) for each `Edge` in the `EdgeWeightedGraph` and then use the Bellman-Ford algorithm. Explain why this approach fails spectacularly.

Solution: This approach only works if all edges have positive weights and no negative cycles. Bellmanford algo fails on neg weight cycles and Dijkstras algo works only with positive weighted edges.