1. Describe the MapReduce paradigm in terms of Mappers and Reducers, and illustrate with an example (2 pt)
2. Describe some ways (at least 3) in which batch jobs achieve good performance while being easy to maintain (Philosophy of batch process outputs) (2 pt)
3. Choose one workflow scheduler that is mentioned in the reading and provide a description of the tool (1 pt).
4. What are some challenges MapReduce has with Graph-Like Data Models and what are some solutions? (2 pt)
5. Using the below graph, find the optimal path from A to E using Dijkstra's Algorithm by **describing each step**. (3 pt)

