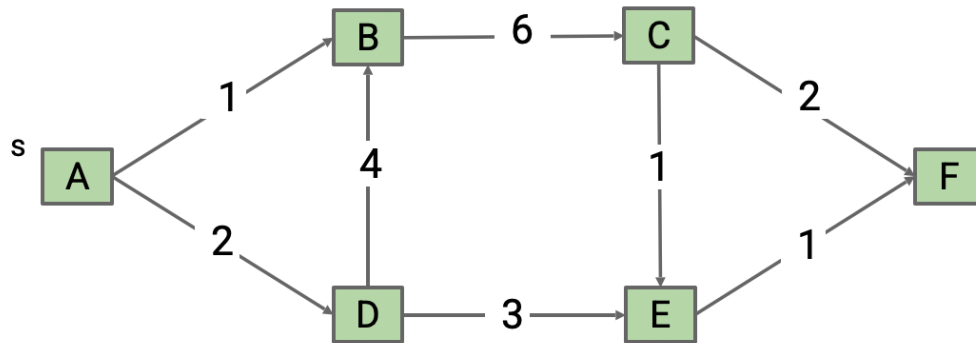


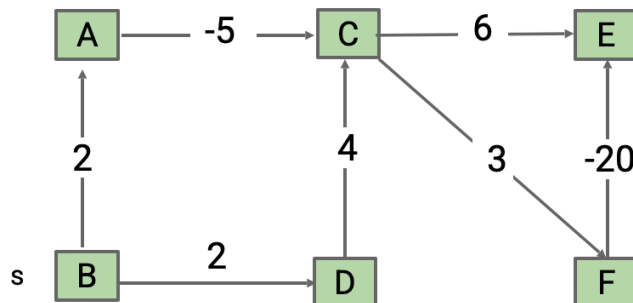
CS62: Fall 2025 | Lecture #23 (DAGs) worksheet | Prof. Li

1. Give a topological ordering for the DAG below (a.k.a. topological sort). When you can choose from multiple vertices, take the one with lower edge weight.



2. (Warm up) In the graph above, what order will Dijkstra's visit the vertices and what is the SPT?

3. Run our algorithm to find the SPT of this DAG from s. What is distTo and edgeTo?



4. Sketch out an algorithm (pseudocode, or plain English) for an algorithm that finds the longest path in a DAG. Ideally, it should run in $O(V+E)$ time.

