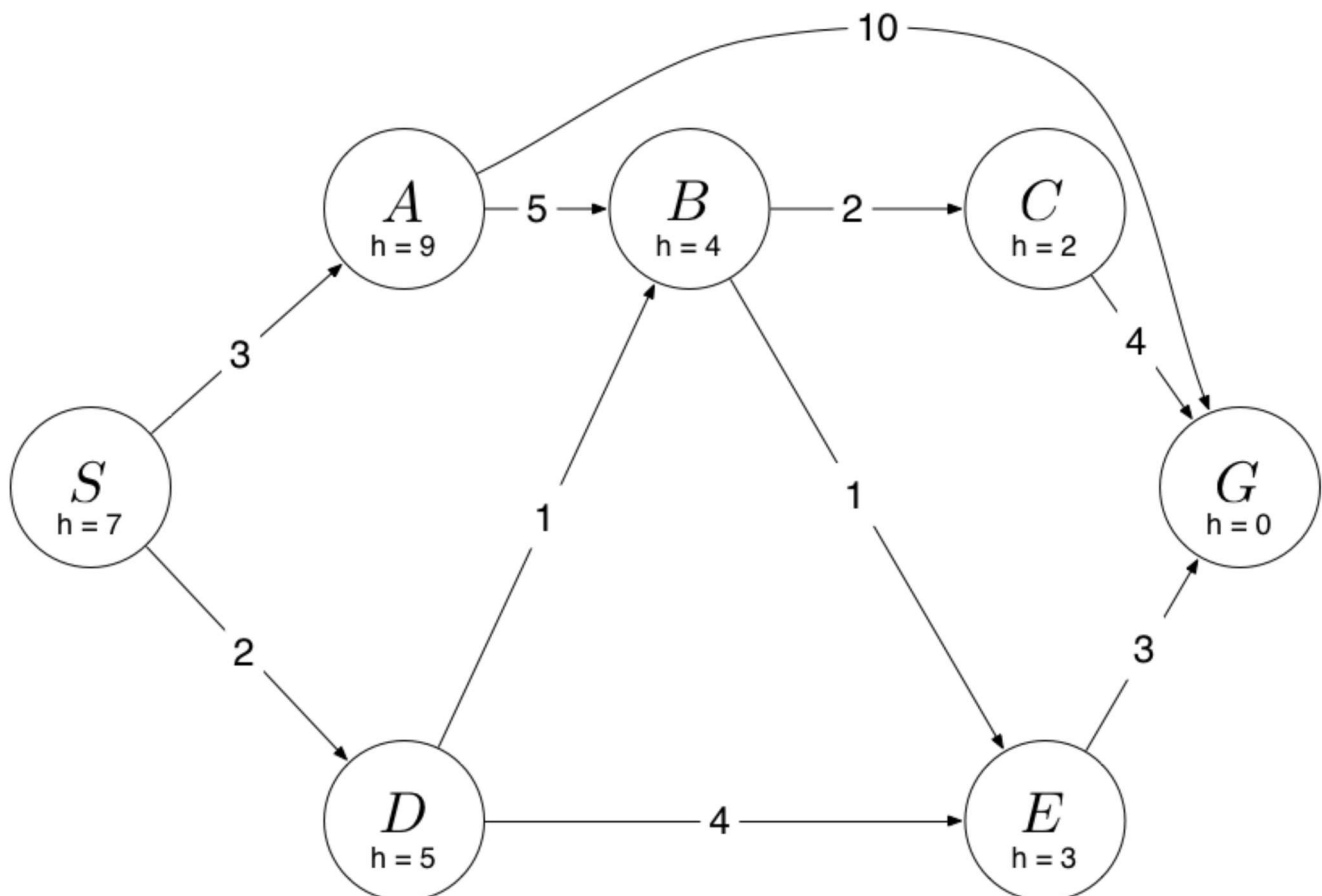


Quiz 12: Consistency

Quiz 12: Consistency

2/2 points (ungraded)

For the graph shown below, run A* graph search. Assume that ties are broken alphabetically. For example, a partial plan $S \rightarrow X \rightarrow A$ would be expanded before $S \rightarrow X \rightarrow B$; similarly, $S \rightarrow A \rightarrow Z$ would be expanded before $S \rightarrow B \rightarrow A$.



Is the heuristic consistent?

☒ Yes ✓

☐ No

What solution is returned by A* graph search?

☐ $S \rightarrow A \rightarrow G$

☐ $S \rightarrow A \rightarrow B \rightarrow C \rightarrow G$

☐ $S \rightarrow D \rightarrow B \rightarrow C \rightarrow G$

☒ $S \rightarrow D \rightarrow B \rightarrow E \rightarrow G$ ✓

☐ $S \rightarrow D \rightarrow E \rightarrow G$

Submit

✓ Correct (2/2 points)