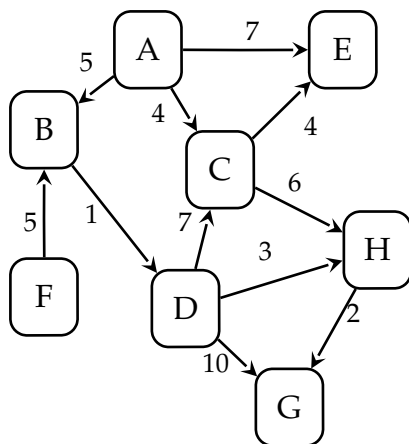


Shortest Path Algorithm

Show the changes to the distance estimates by applying Dijkstra's algorithm to find the shortest path between A and G, given the digraph below. In the small table, indicate the last vertex visited before each final vertex in the shortest path.

A	B	C	D	E	F	G	H
∞	∞	∞	∞	∞	∞	∞	∞



B	
C	
D	
E	
F	
G	
H	

Topological Sort

List all valid topological sorts of the following graph.

