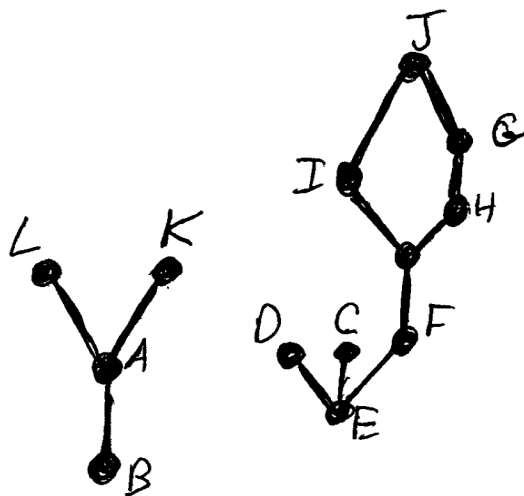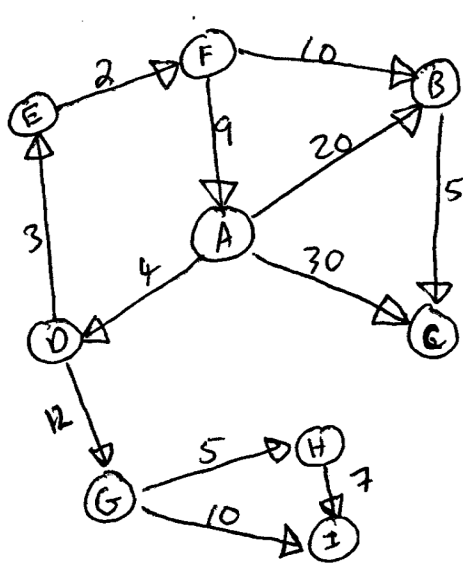**1.** Come up with an example Pert/CPM problem with at least 7 activities, and Draw The diagram, and find The Critical Path.

2. Do a topological Sort on The Poset from your example.

3. Do a topological sort on The following Poset.

4. Find The shortest paths from vertex ⓐ to every other vertex in The graph. Highlight The shortest paths tree.

5. Find a minimum spanning tree using each algorithm. (Start Prim's from _A_)