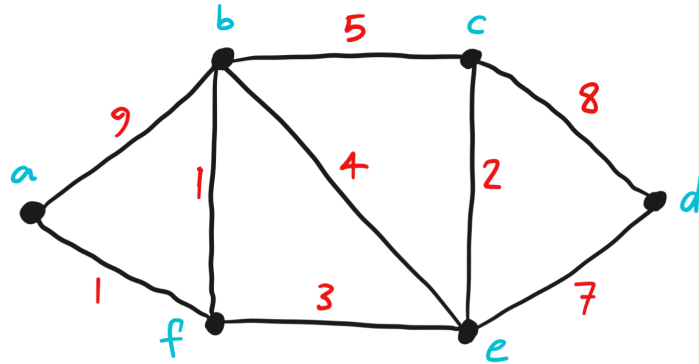**Kruskal's Algorithm** for constructing a minimum-weight spanning tree (MST):

- At each step, add lowest-weight edge possible that does not create a cycle. *(break ties arbitrarily if two edges have same weight)*

Use Kruskal's Algorithm to find an MST for this graph.