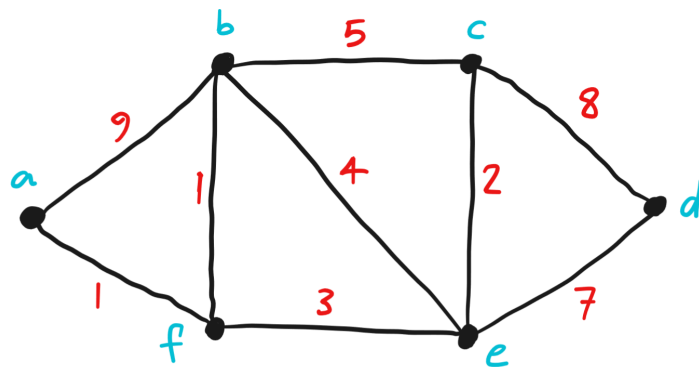


Prim's Algorithm for constructing a minimum-weight spanning tree (MST):

- Start at an arbitrary vertex
- At each step, add the lowest-weight edge that connects some vertex already in the tree to some new vertex. (*break ties arbitrarily if two edges have same weight*)



Use Prim's Algorithm **starting at e** to find an MST for this graph.