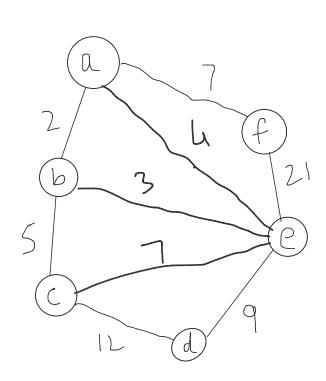
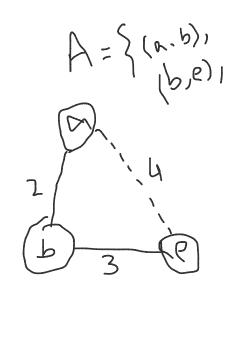
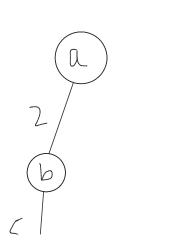
L23 - Minimum Cost/Weight Spanning Tree

Tuesday, June 23, 2020 8:55 AM

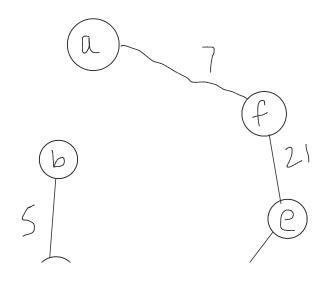
A Spanning Tree of a connected, undirected and weighted graph G is a tree of |V| - 1 edges that contain all the vertices of the graph G and all vertices are also connected.

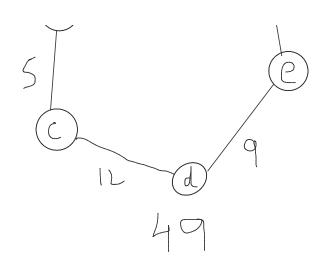


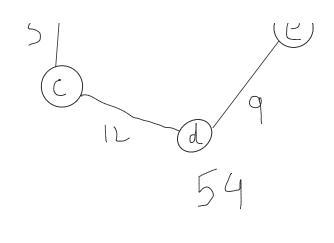


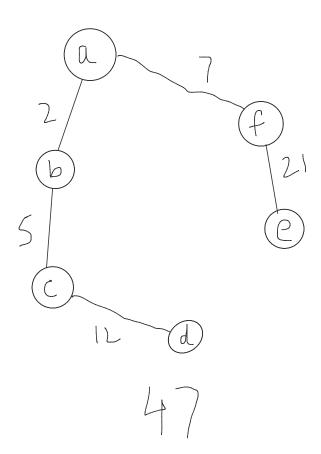


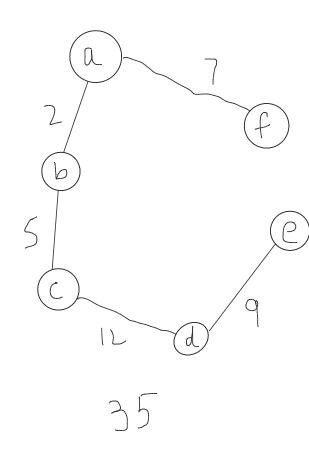












A Spanning Tree of a connected, undirected, weighted graph G is a subset/subgraph of G(V,E), called ST(V',E'), such that V'=V and E' is a subset of E.

GENERIC-MST (G, w)1 $A = \emptyset$ 2 while A does not form a spanning tree 3 find an edge (u, v) that is safe for A4 $A = A \cup \{(u, v)\}$ 5 return A

