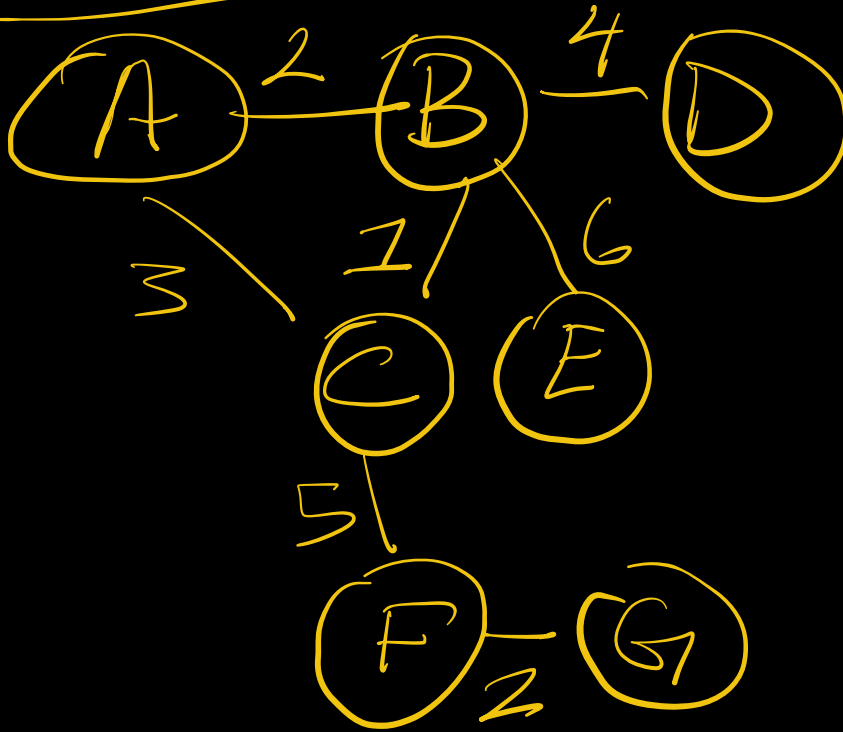


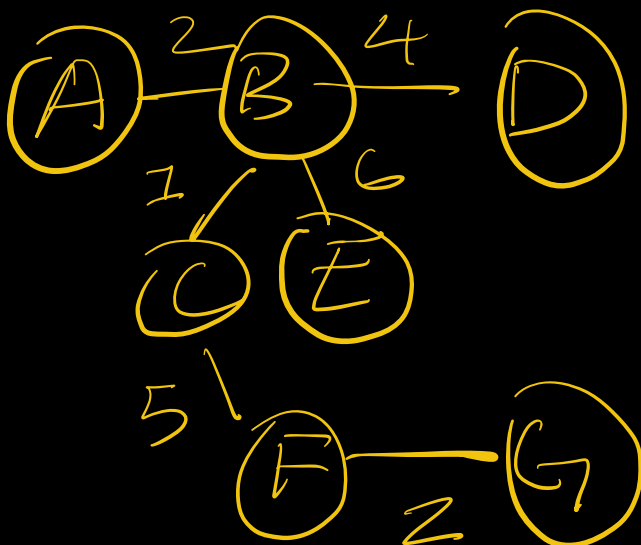
Q1. What is a minimum spanning tree?

A minimum spanning tree of a graph is a subset of edges that connects all vertices with the minimum possible total edge weight, and without any cycles

Full Graph:



MST version:



6 edges,  
no cycles,  
minimum total  
weight.