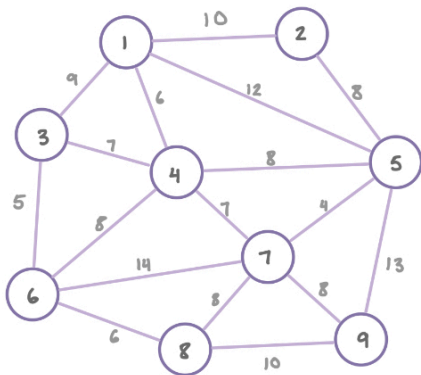


Ex 3a:

A minimum spanning tree is a subgraph of the edges of a connected graph that contains every vertex, but removes all cycles and has the smallest possible edge-weight. These trees specify the cheapest way to interconnect vertices.

Full graph:



Minimum Spanning tree:

