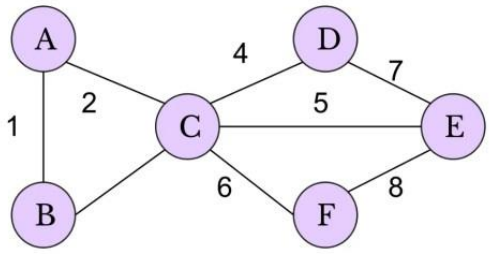
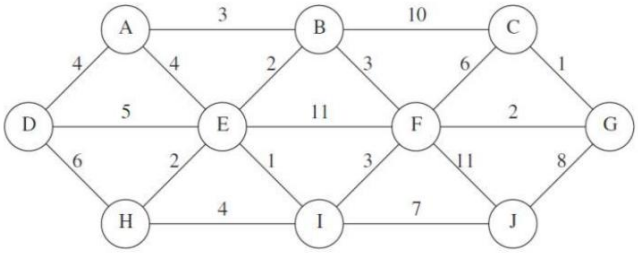
CSE 3512 – Algorithm Design and Analysis
Lab 9
Analysis of Minimum Spanning Tree (MST) Algorithms

Given two undirected weighted graphs Graph A and Graph B − apply Prim's and Kruskal's algorithms to find the Minimum Spanning Tree (MST) for each graph. Display the sequence of edges added, calculate the total MST cost, and compare the time complexity of both algorithms for the dense and sparse graphs, highlighting their performance differences.



Graph A



Graph B