Section 09: MSTs
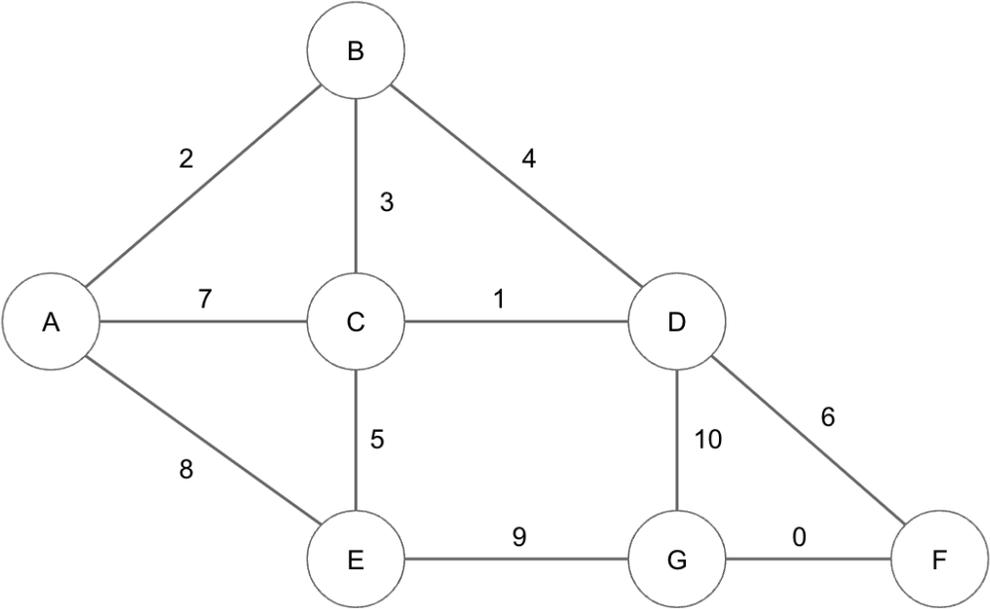
1. Prim's (Minimum Spanning Tree)

Calculate the Minimum Spanning Tree starting from A.

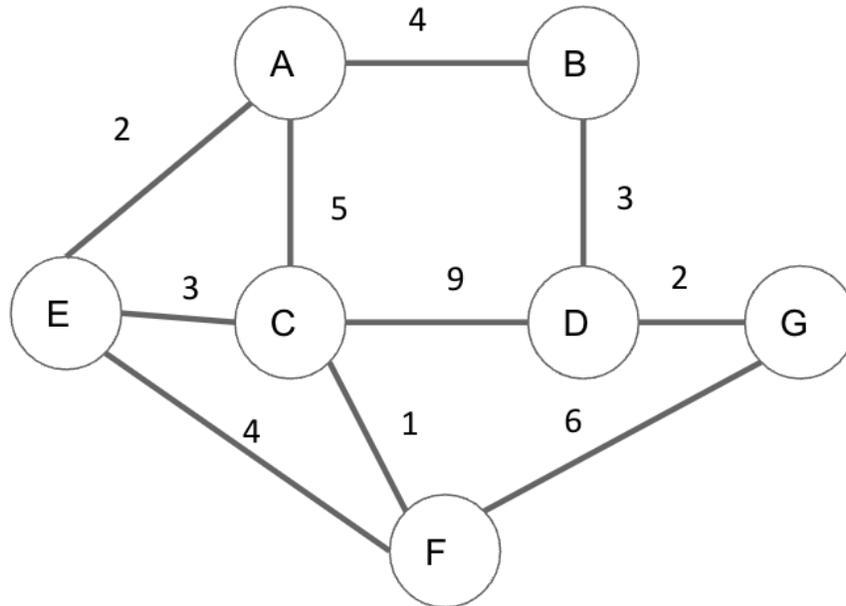|	dist	edge	processed
A	0	–	
B			
C			
D			
E			
F			
G			

2. Prim's Review

What are the specific changes in the code between Dijkstra's and Prim's algorithm?

What is the "cut property" for an MST?

Does Prim's work on a graph with negative edges? Why/why not?

3. Kruskal's (Minimum Spanning Tree)

Calculate the Minimum Spanning Tree. Indicate which components are connected in the table provided, and write down each step that occurs during the algorithm.

Steps:

	Disjoint set components
A	
B	
C	
D	
E	
F	
G	