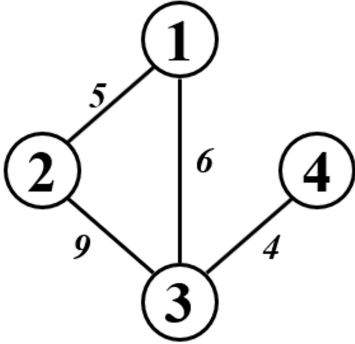

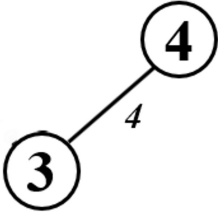
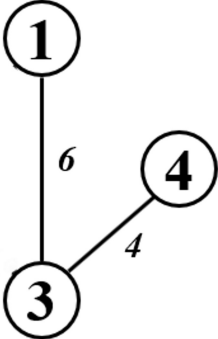
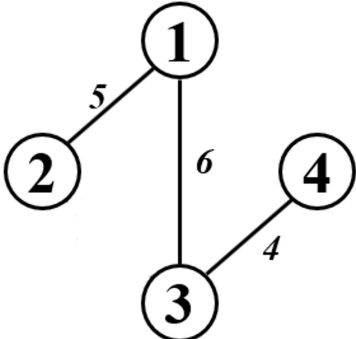


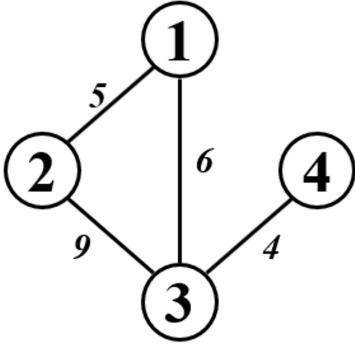
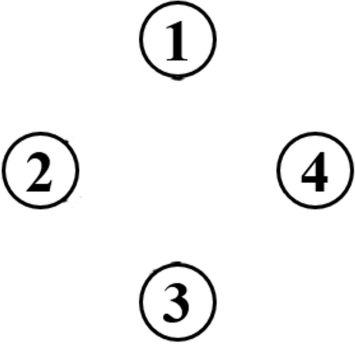
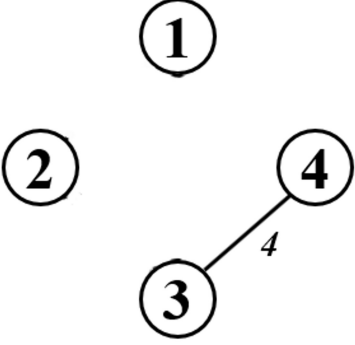
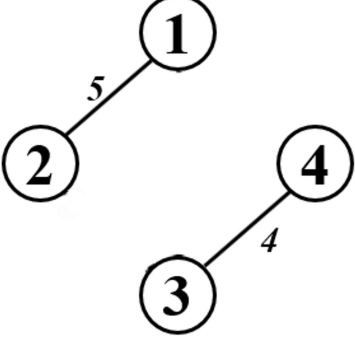
# Prim & Kruskal

17 April 2021 3:54 PM

## I. Prim

GRAPH	STEPS	MINIMUM SPANNING TREE
	Choose an arbitrary vertex: 3 Put 3's edges in priority queue. Queue: - (3, 4) - 4 - (3, 1) - 6 - (3, 2) - 9	
	Get (3, 4) - 4 -> safe edge Put 4's edges in priority queue (no more edges). Queue: - (3, 1) - 6 - (3, 2) - 9	
	Get (3, 1) - 6 -> safe edge Put 1's edges in priority queue. Queue: - (1, 2) - 5 - (3, 2) - 9	
	Get (1, 2) - 5 -> safe edge Put 2's edges in priority queue (no more edges). Queue: - (3, 2) - 9 DONE	

## II. Kruskal

GRAPH	STEPS	MINIMUM SPANNING TREE
	<p>Initial Step.</p> <p>Ordered Edges:</p> <ul style="list-style-type: none"> <li>-(3, 4) - 4</li> <li>-(1, 2) - 5</li> <li>-(1, 3) - 6</li> <li>-(2, 3) - 9</li> </ul>	
	<p>Get (3, 4) - 4 -&gt; safe edge</p> <p>Ordered Edges:</p> <ul style="list-style-type: none"> <li>-(1, 2) - 5</li> <li>-(1, 3) - 6</li> <li>-(2, 3) - 9</li> </ul>	
	<p>Get (1, 2) - 5 -&gt; safe edge</p> <p>Ordered Edges:</p> <ul style="list-style-type: none"> <li>-(1, 3) - 6</li> <li>-(2, 3) - 9</li> </ul>	
	<p>Get (1, 3) - 6 -&gt; safe edge</p> <p>Ordered Edges:</p> <ul style="list-style-type: none"> <li>-(2, 3) - 9</li> </ul> <p>DONE</p>	