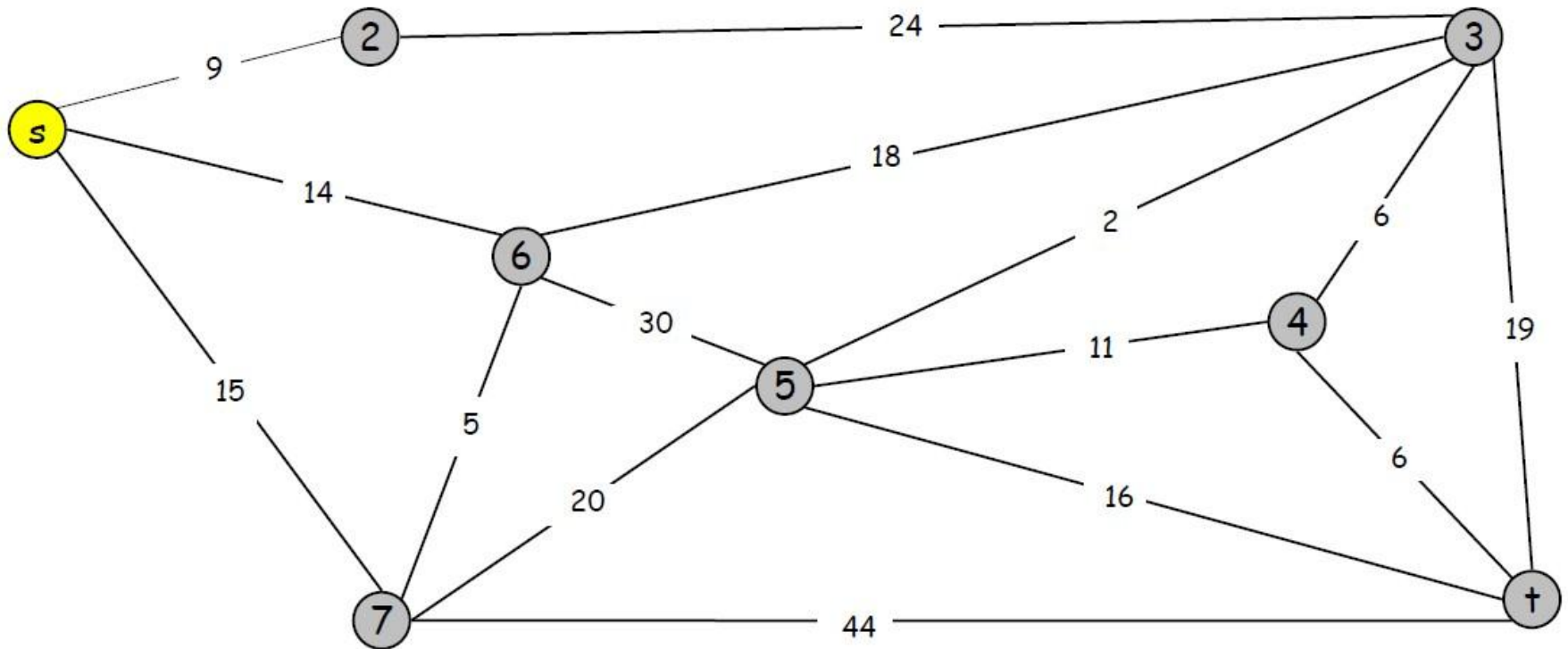


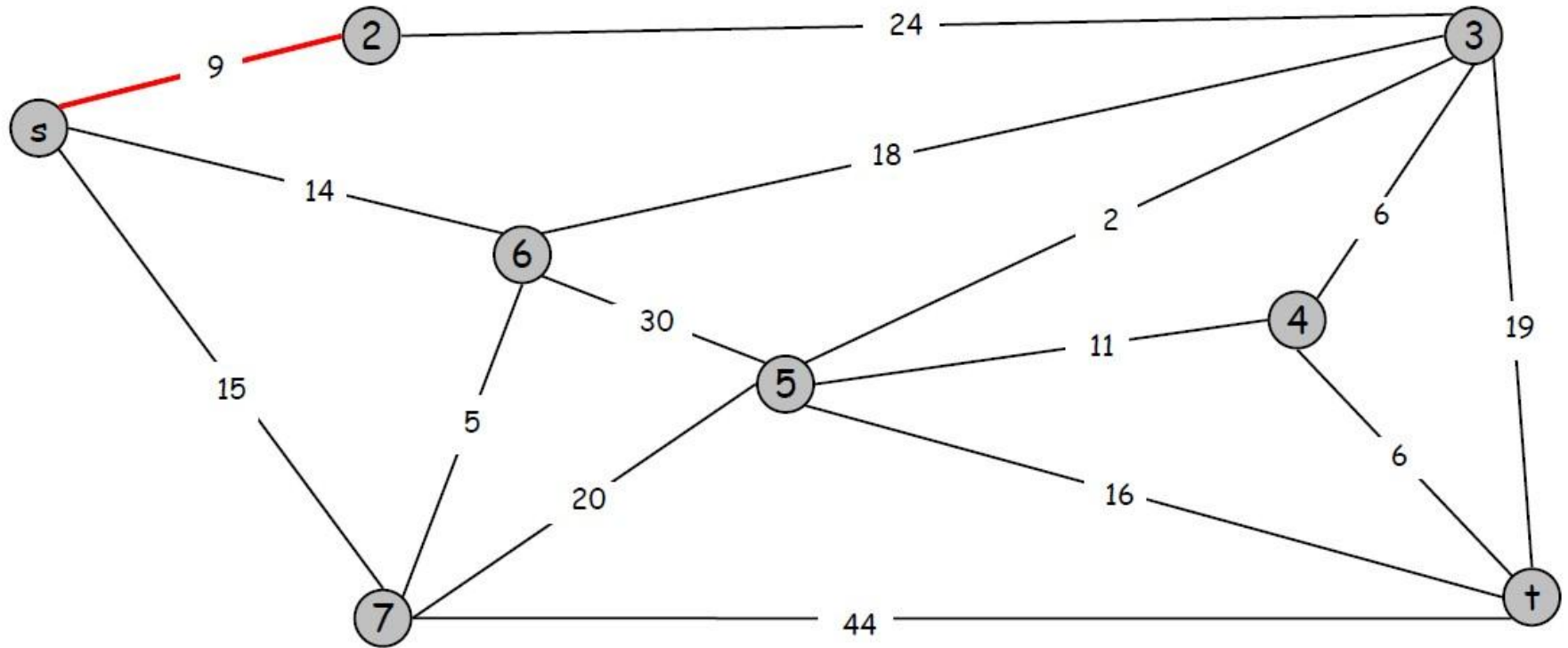


Prim's Minimum Spanning Tree Algorithm

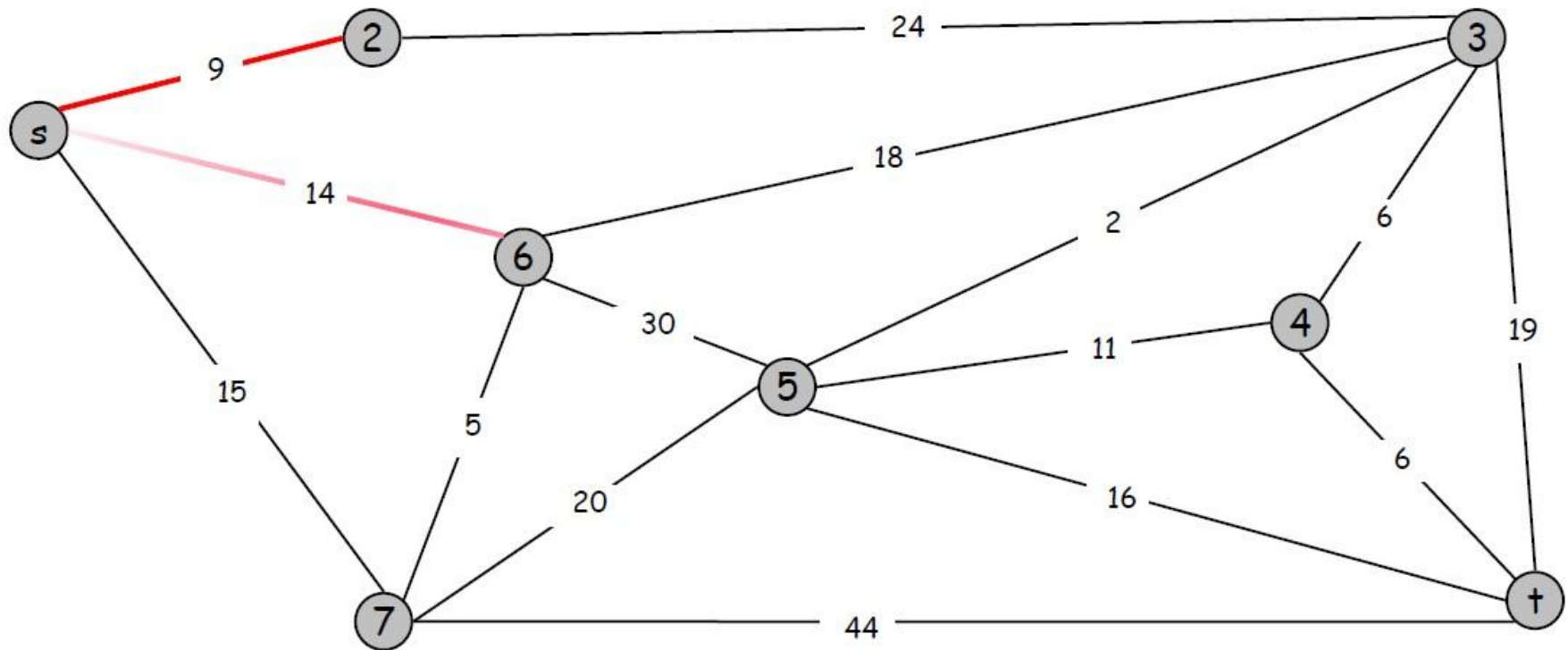
Prim's Minimum Spanning Tree Algorithm



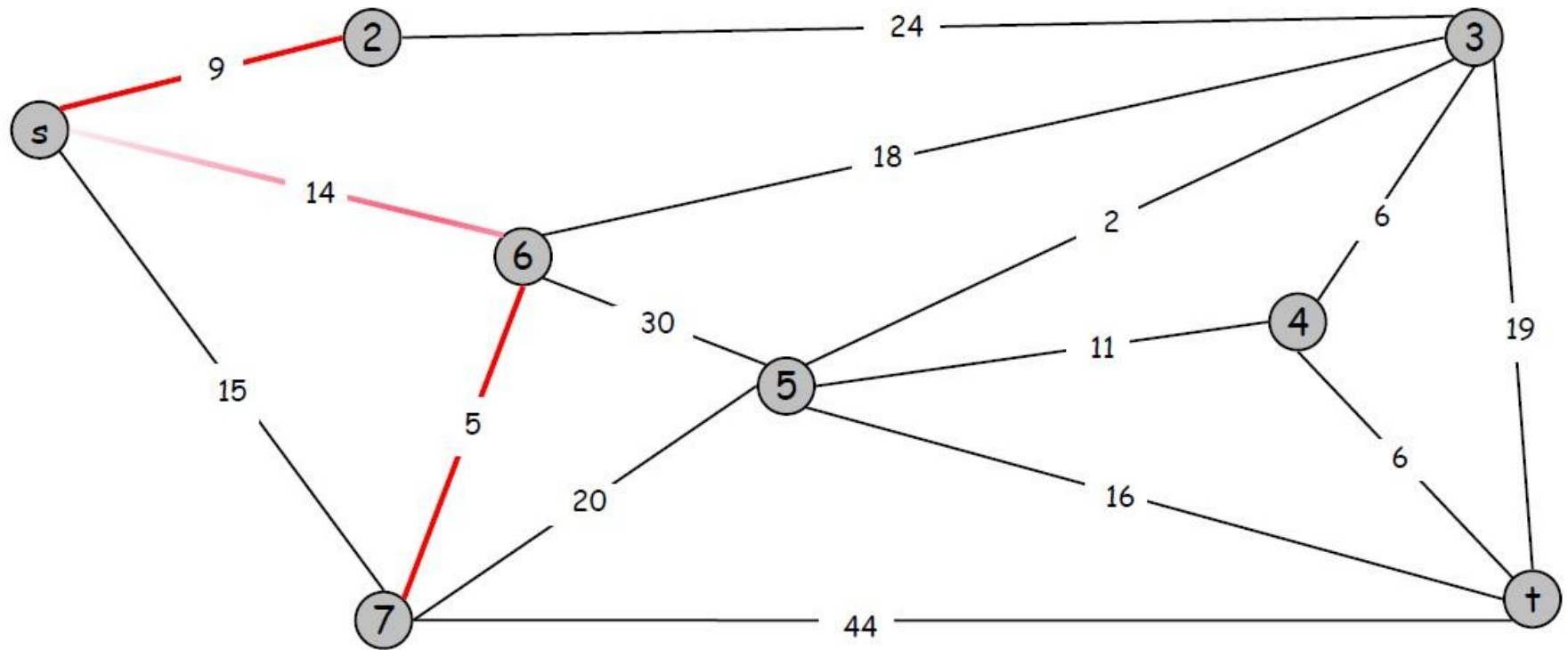
Prim's Minimum Spanning Tree Algorithm



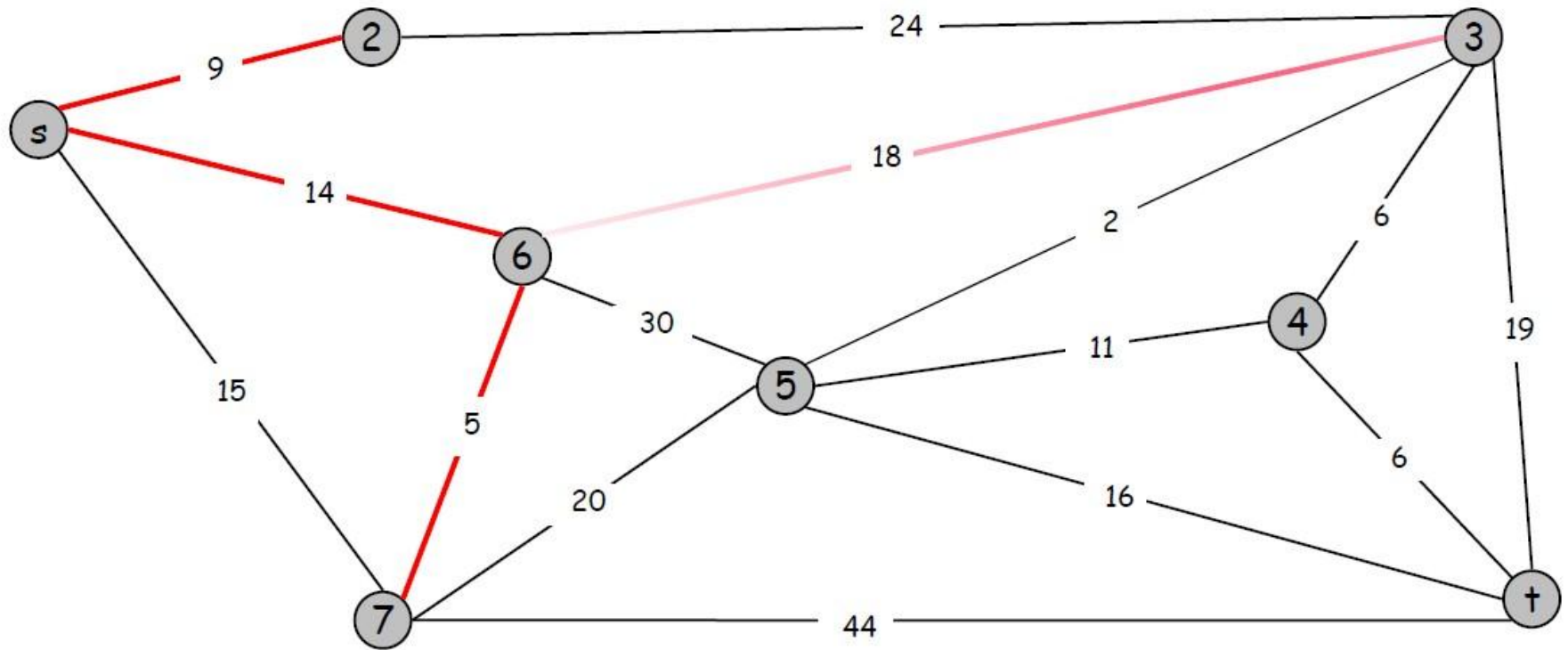
Prim's Minimum Spanning Tree Algorithm



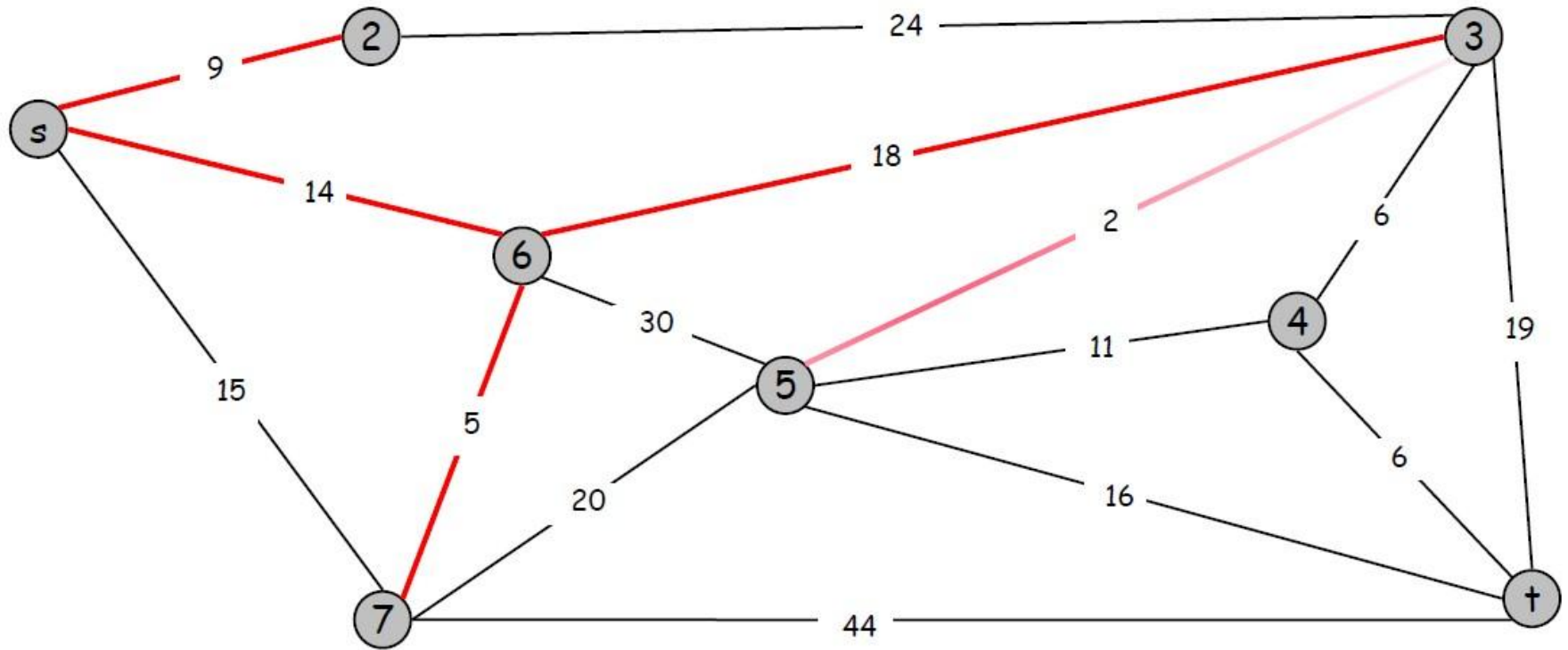
Prim's Minimum Spanning Tree Algorithm



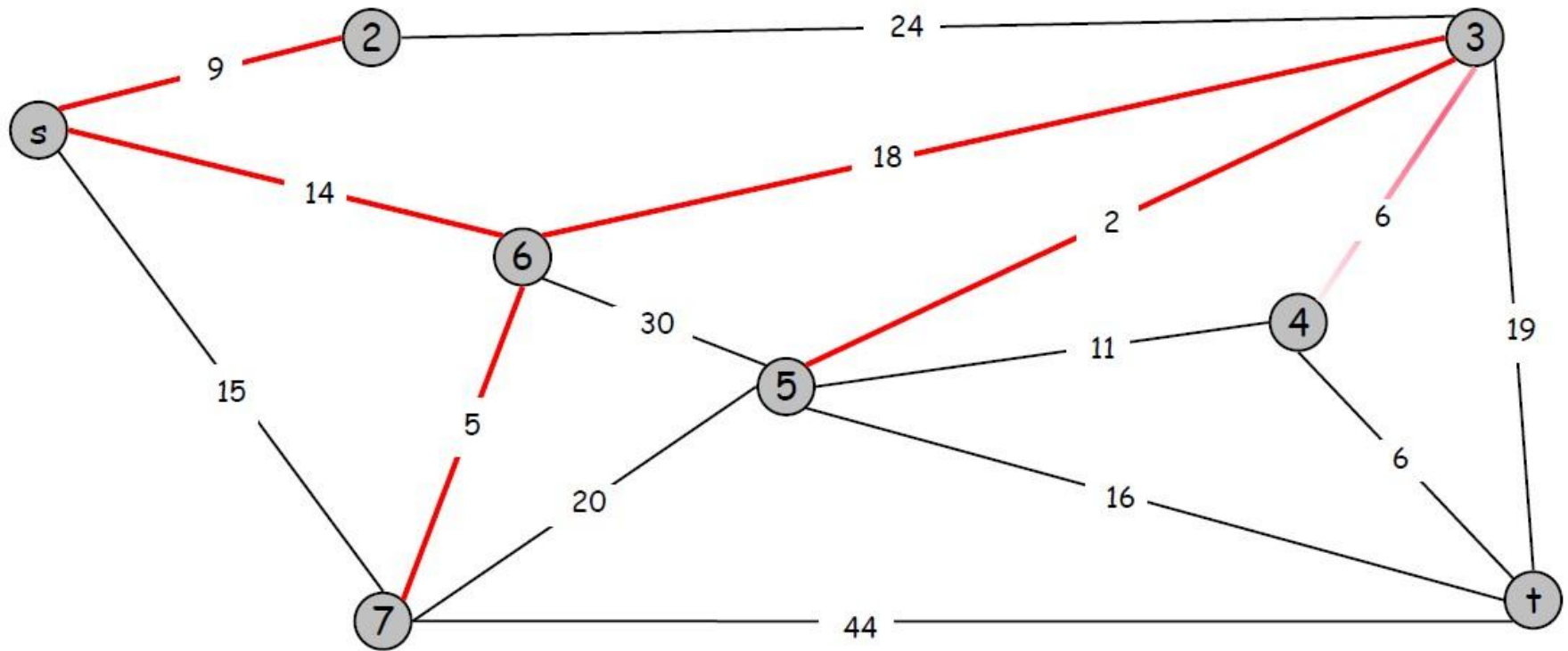
Prim's Minimum Spanning Tree Algorithm



Prim's Minimum Spanning Tree Algorithm

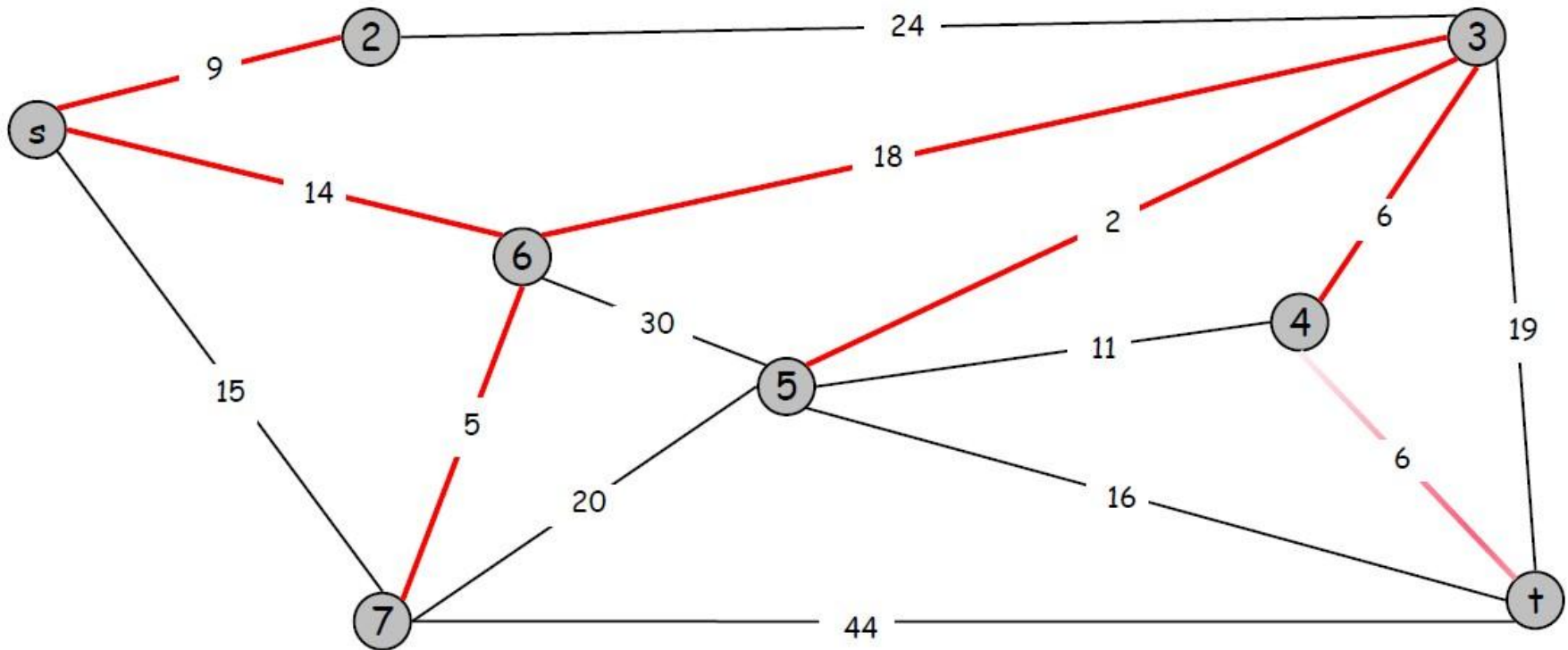


Prim's Minimum Spanning Tree Algorithm



Prim's Minimum Spanning Tree Algorithm

Minimum Spanning Tree Weight = 60

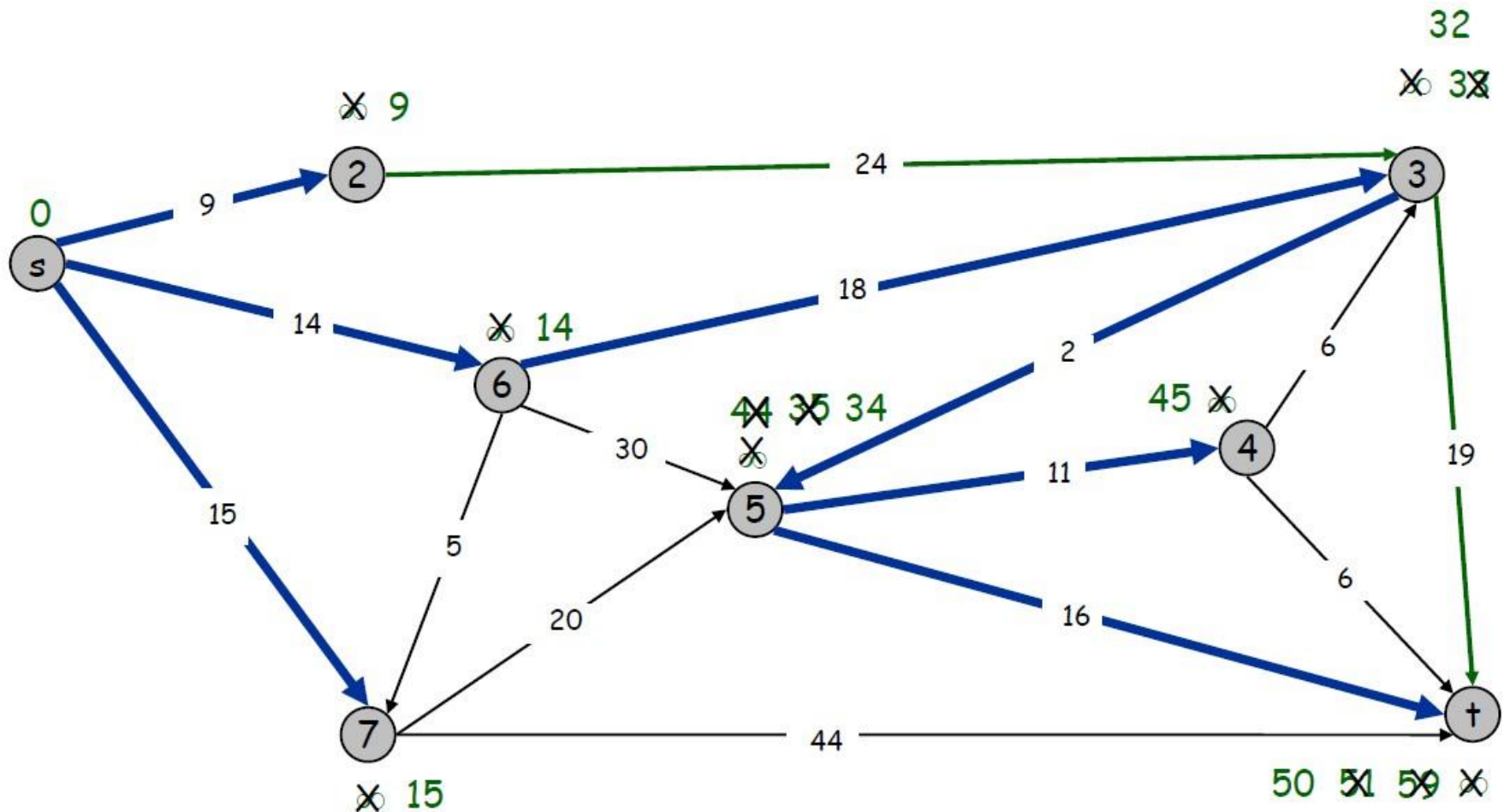


For Comparison: Spanning Directed Tree constructed by Dijkstra's Shortest Path Algorithm

$S = \{s, 2, 3, 4, 5, 6, 7, t\}$

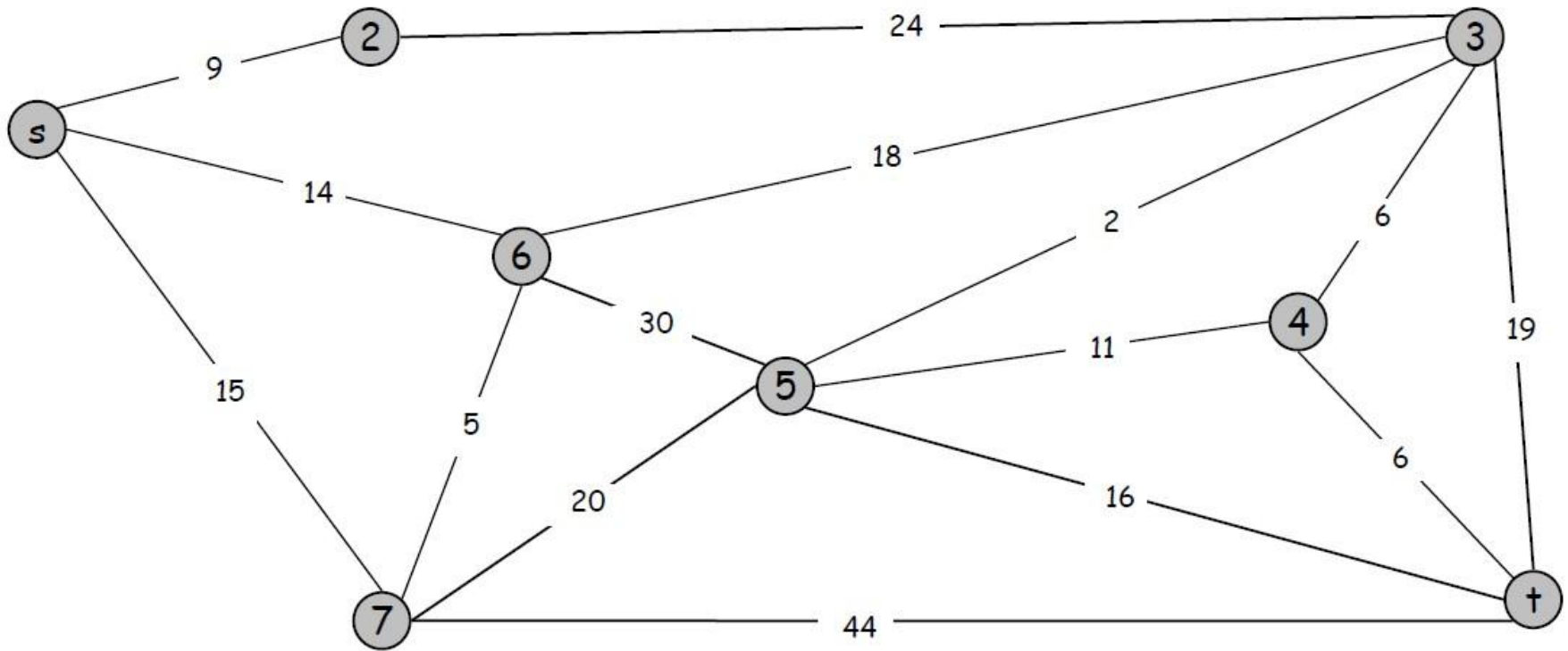
$PQ = \{\}$

Spanning Tree Weight = 85

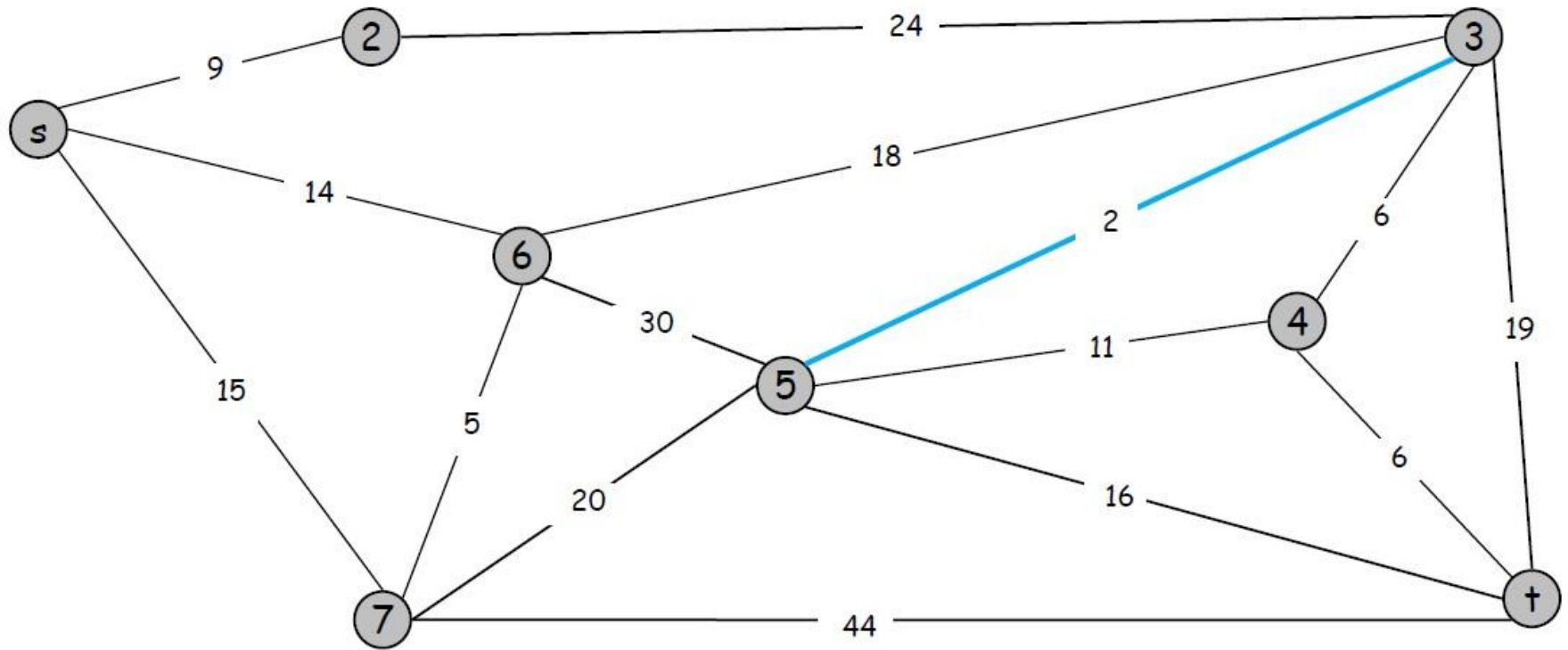


Kruskal's Minimum Spanning Tree Algorithm

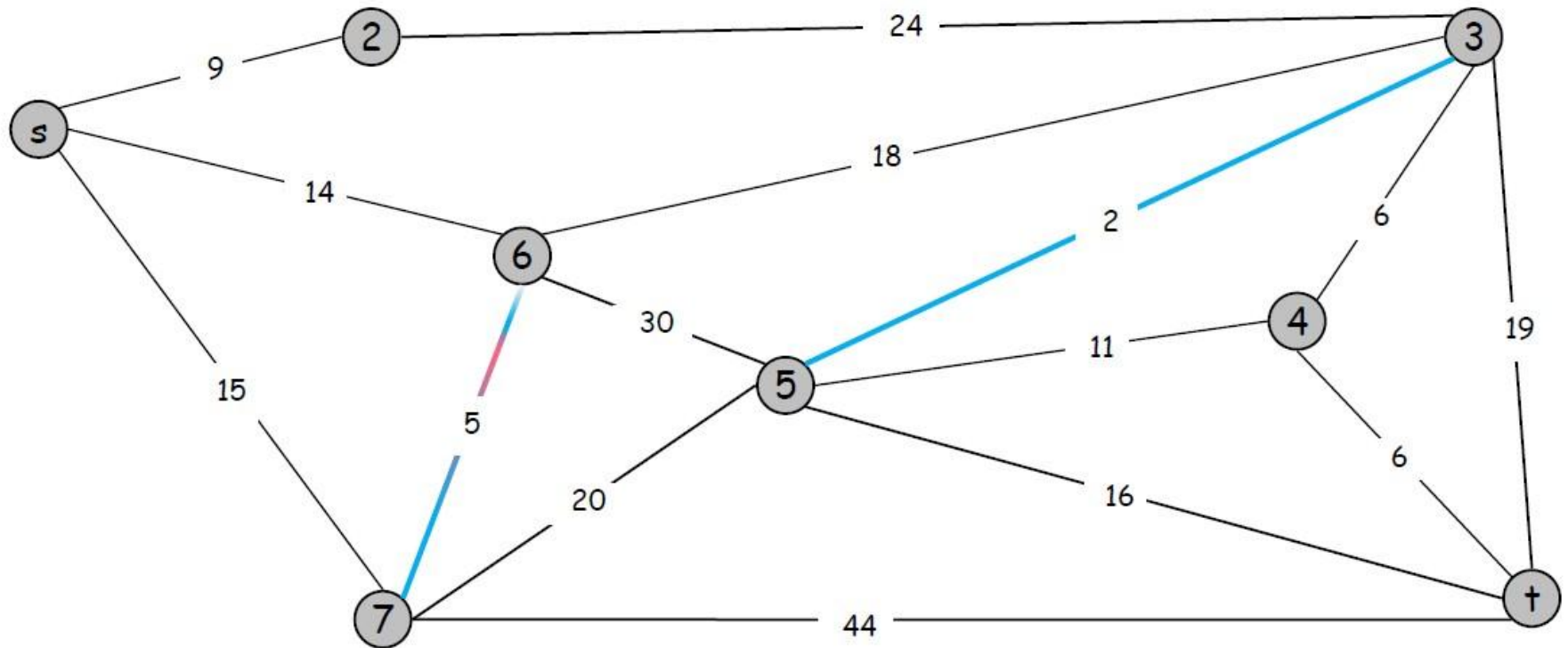
Kruskal's Minimum Spanning Tree Algorithm



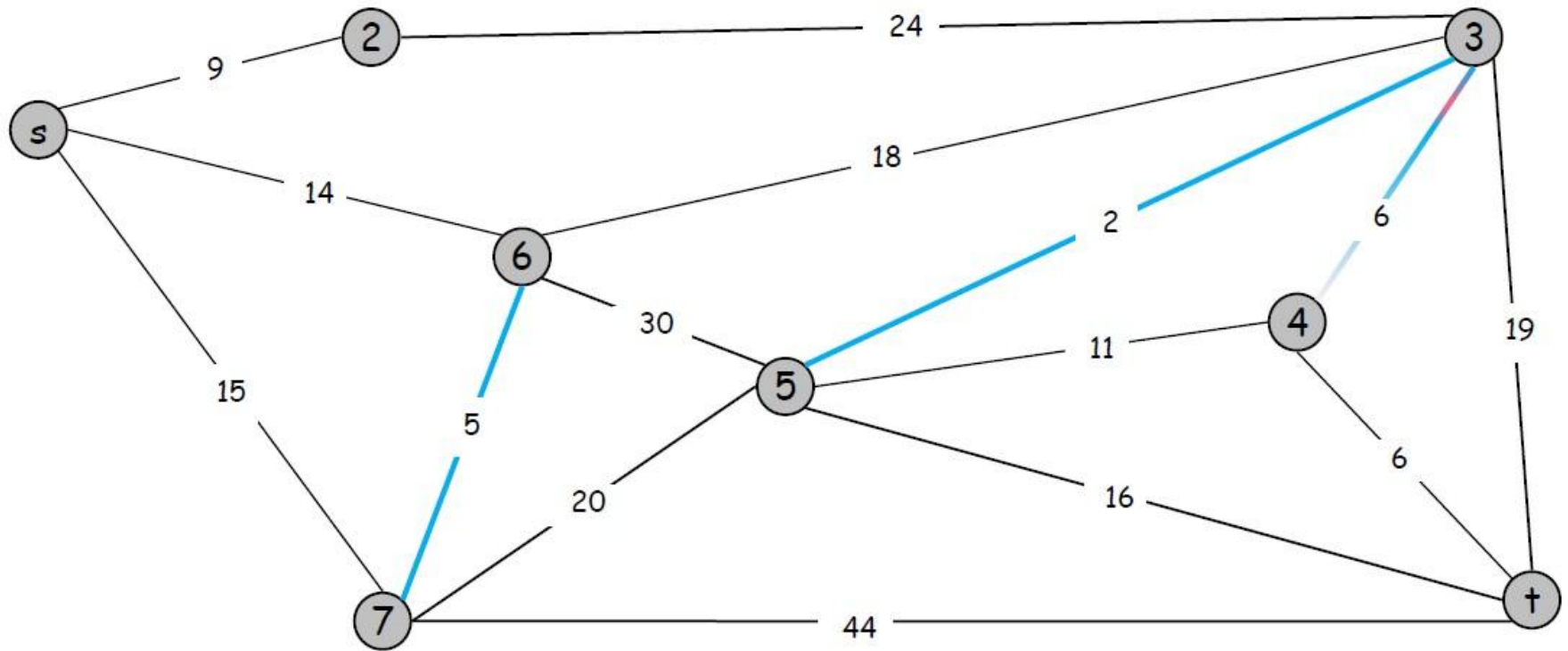
Kruskal's Minimum Spanning Tree Algorithm



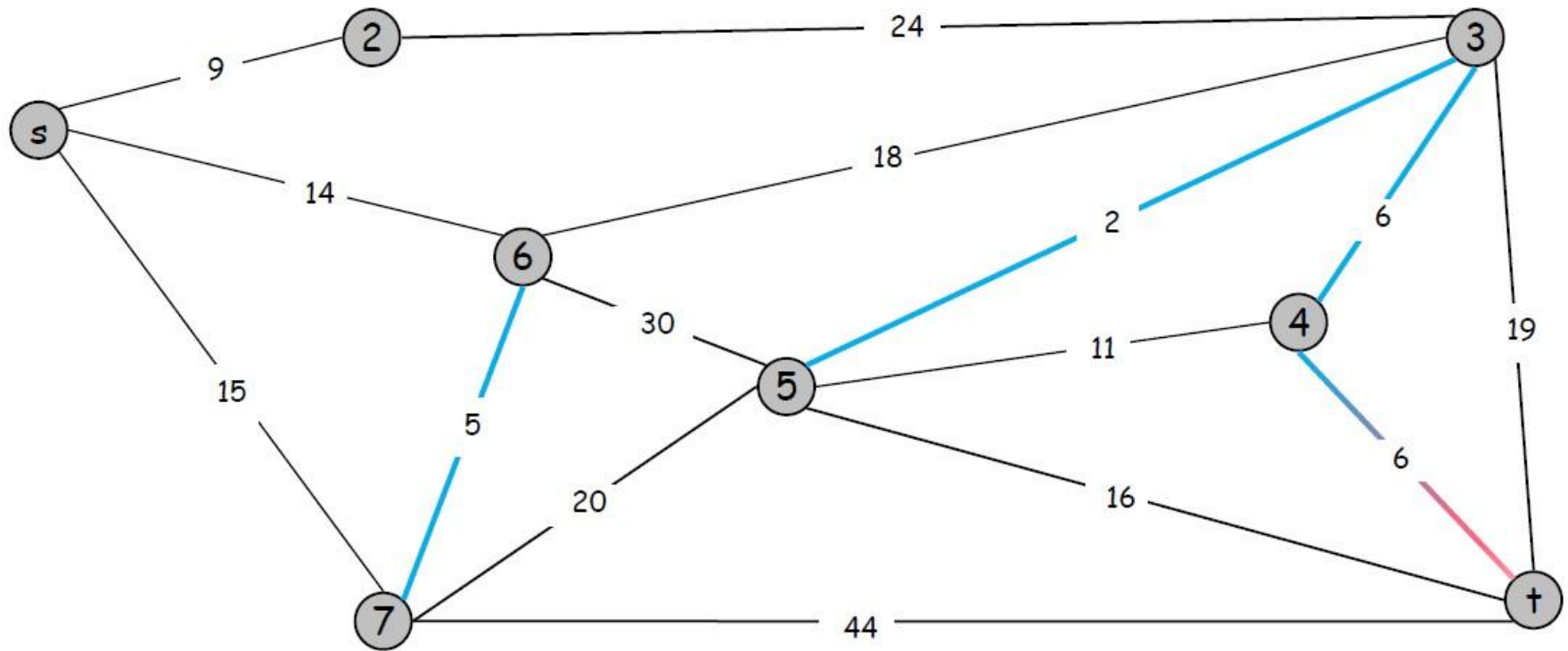
Kruskal's Minimum Spanning Tree Algorithm



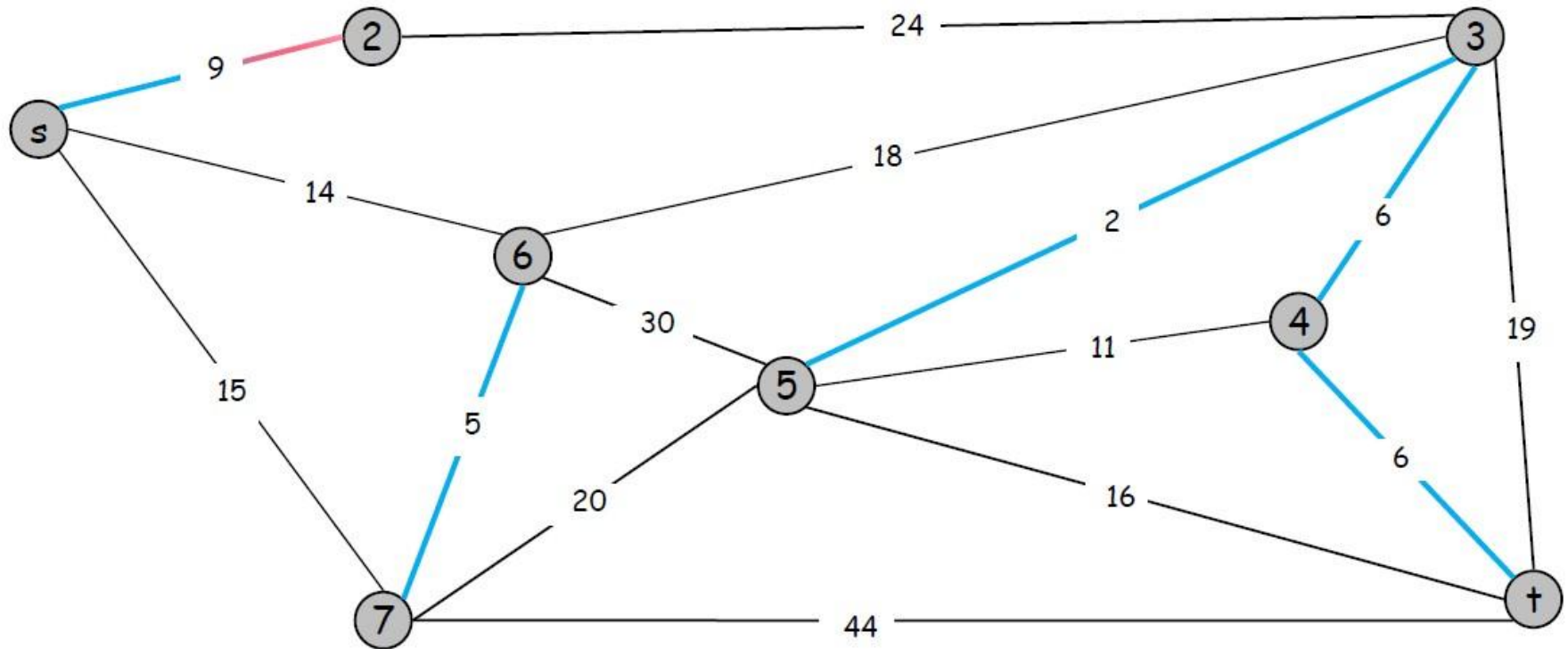
Kruskal's Minimum Spanning Tree Algorithm



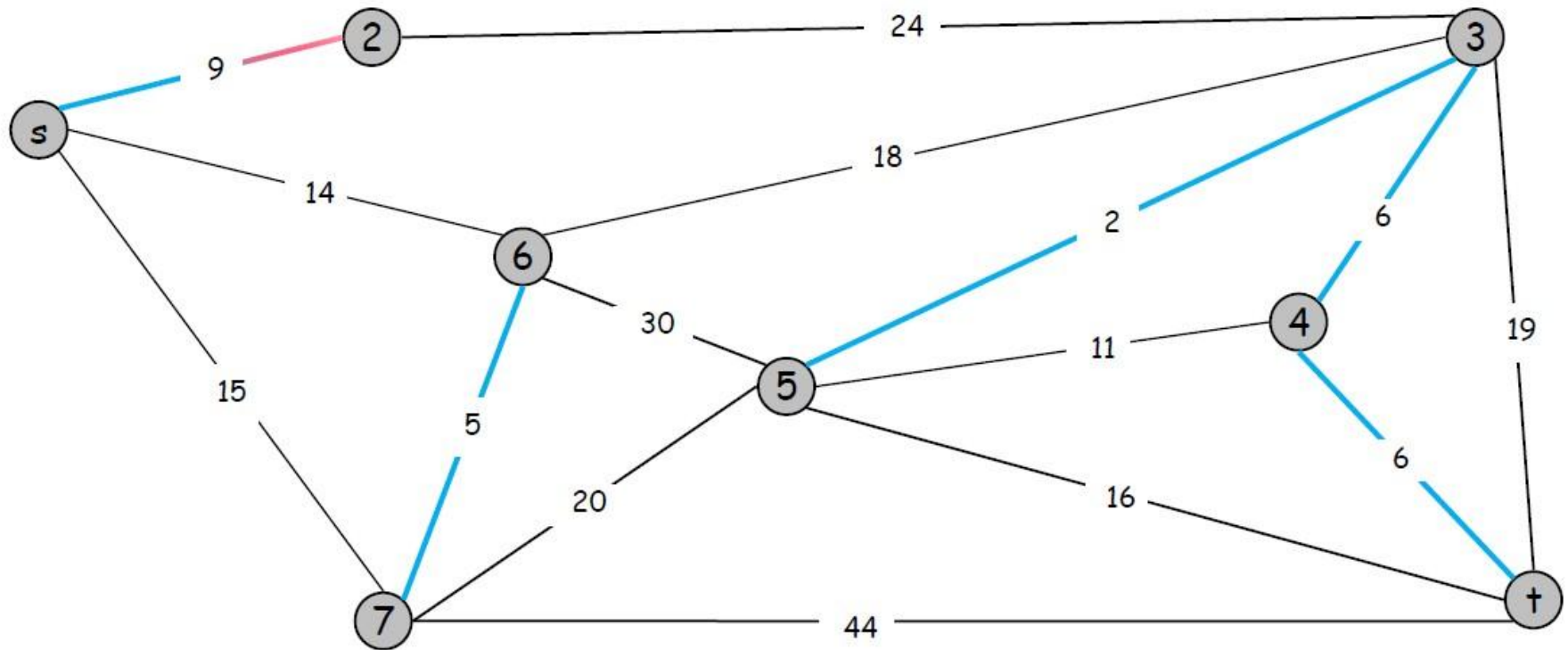
Kruskal's Minimum Spanning Tree Algorithm



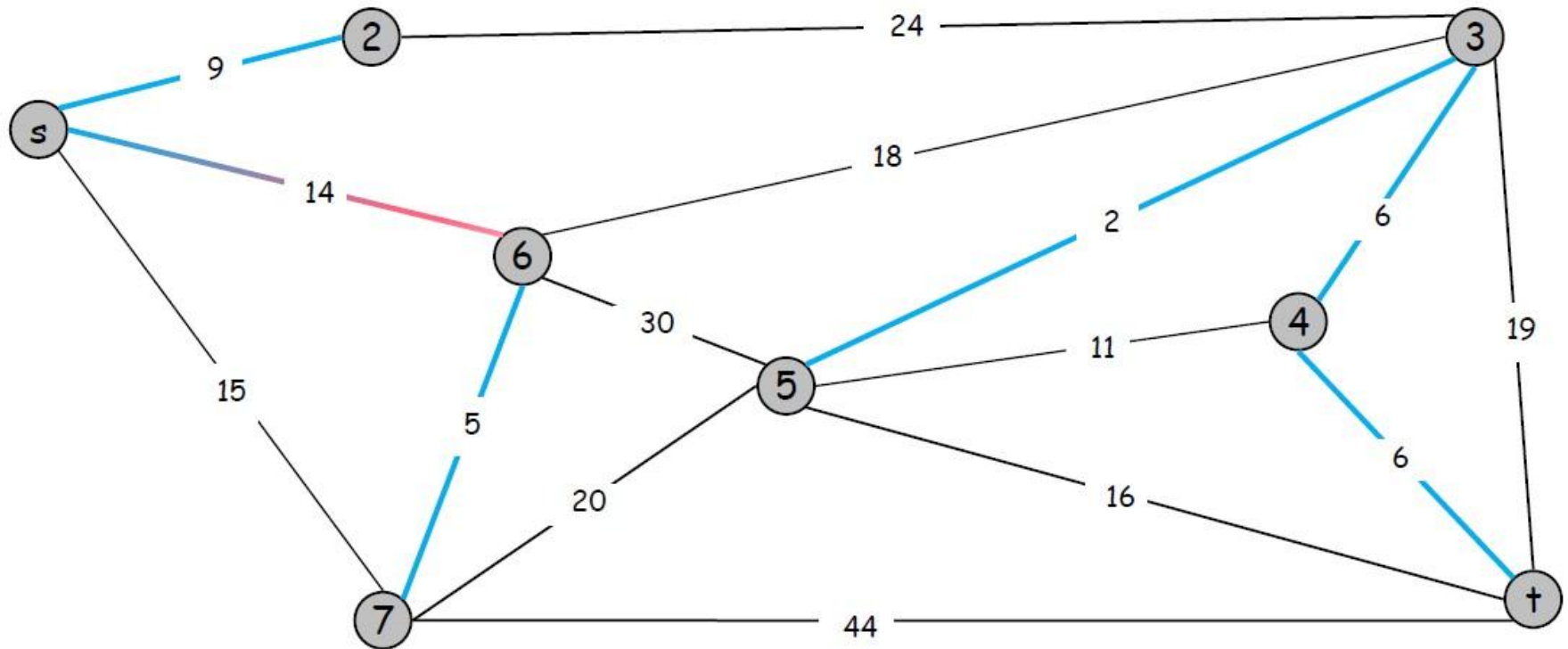
Kruskal's Minimum Spanning Tree Algorithm



Kruskal's Minimum Spanning Tree Algorithm



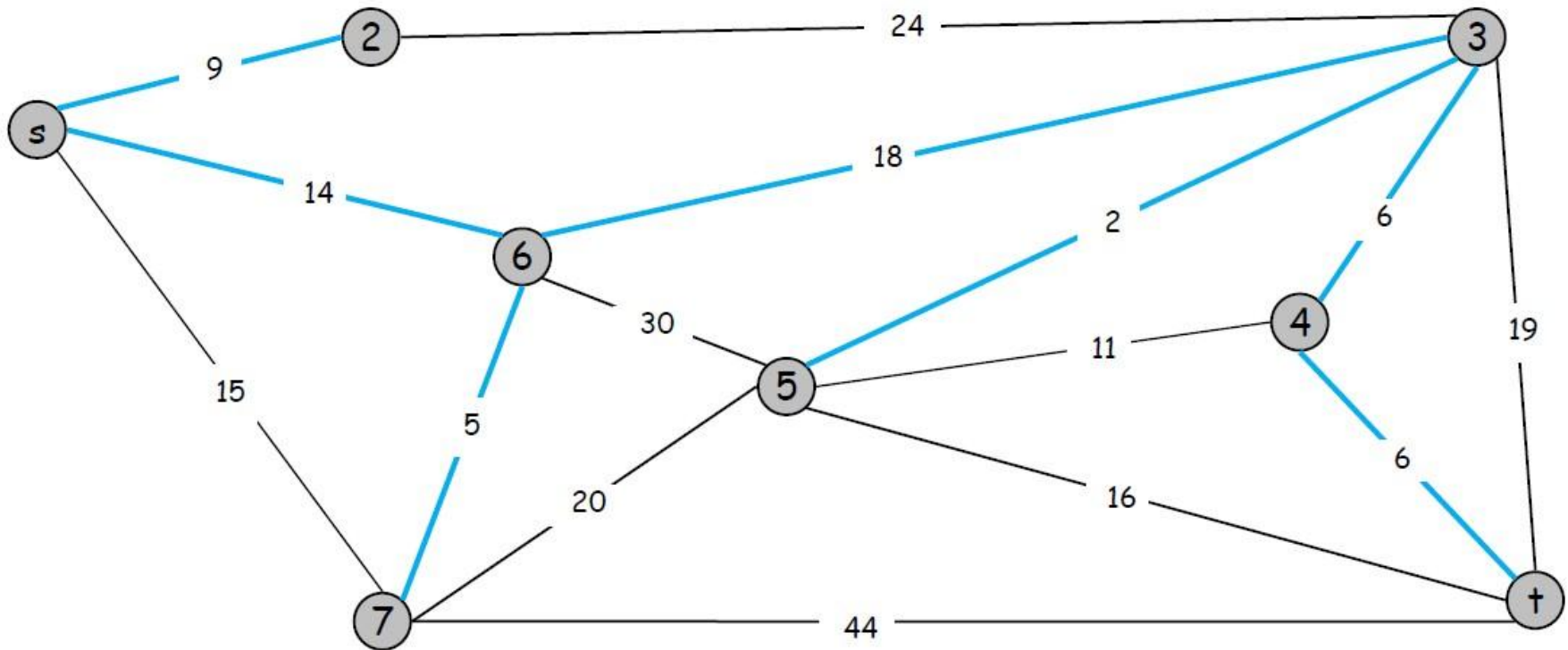
Kruskal's Minimum Spanning Tree Algorithm



Kruskal's Minimum Spanning Tree Algorithm



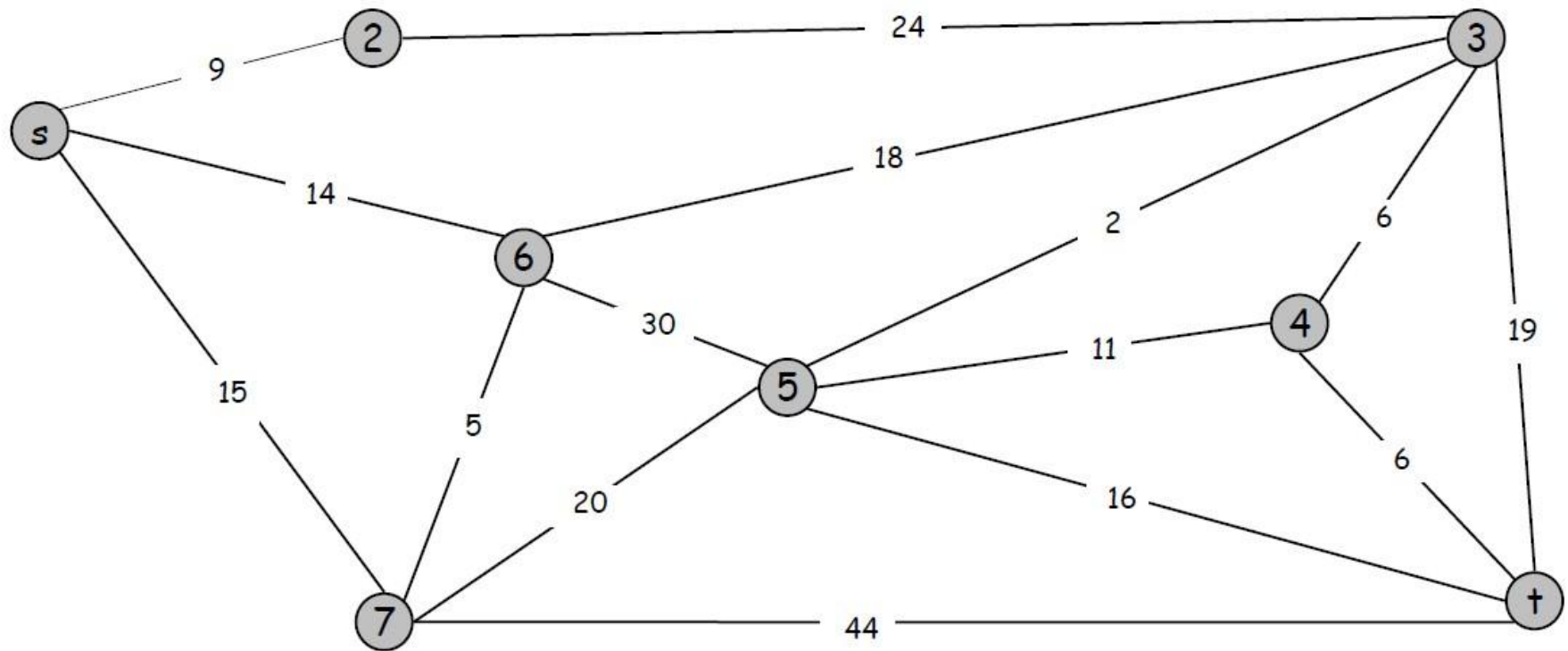
Minimum Spanning Tree Weight = 60



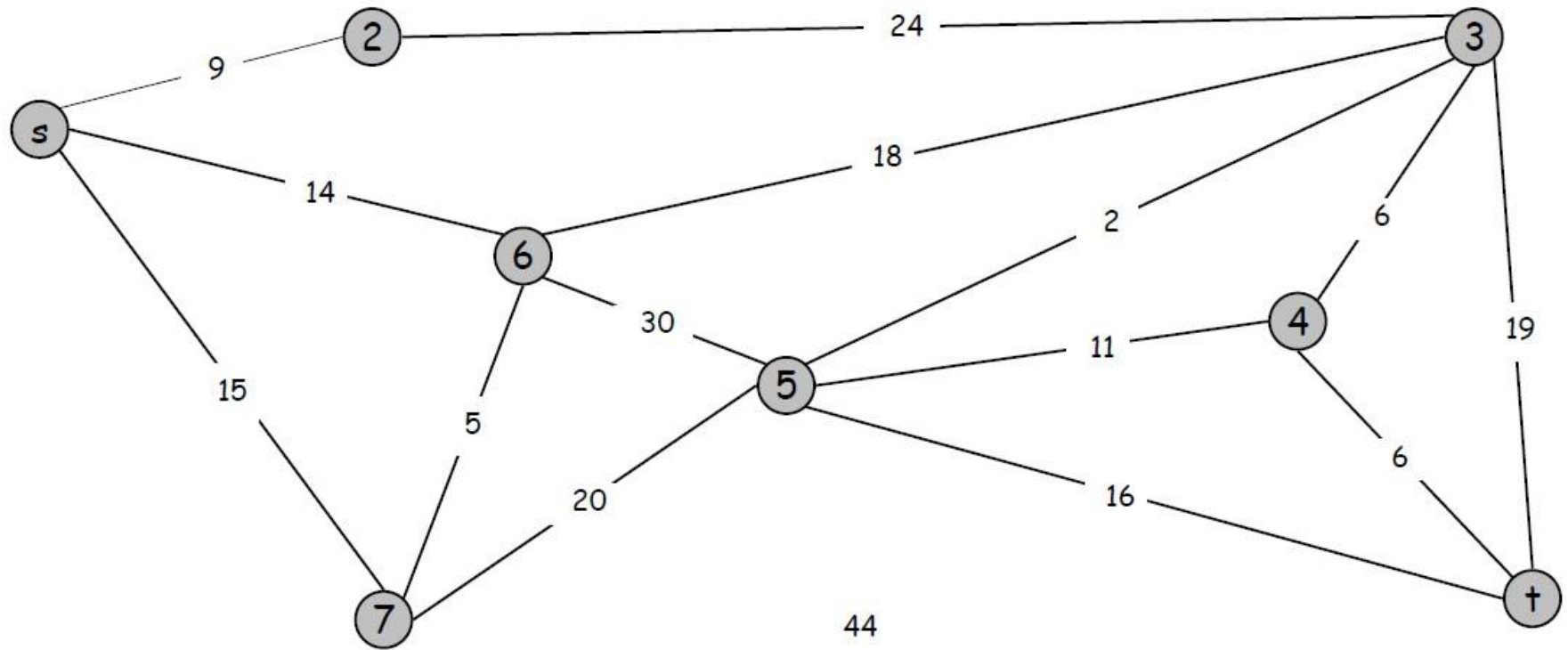


Reverse Delete Minimum Spanning Tree Algorithm

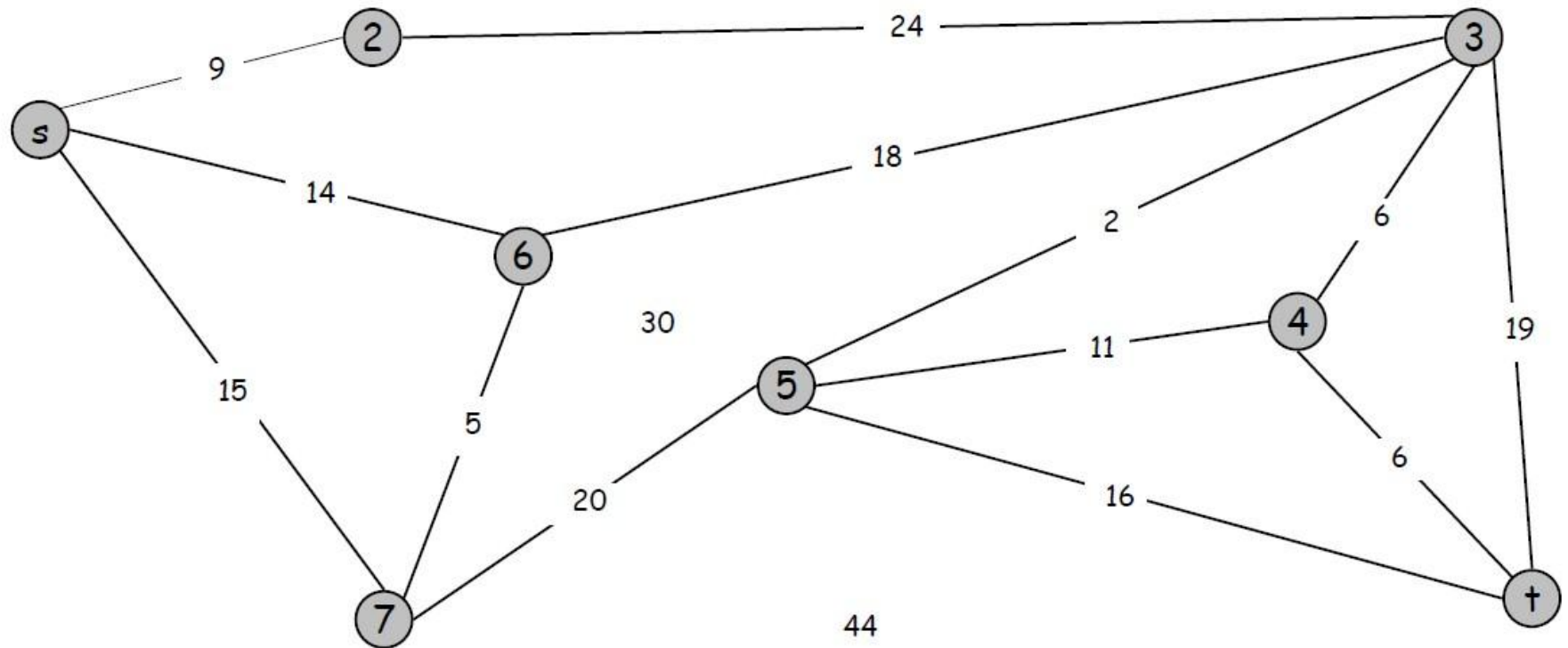
Reverse Delete Minimum Spanning Tree Algorithm



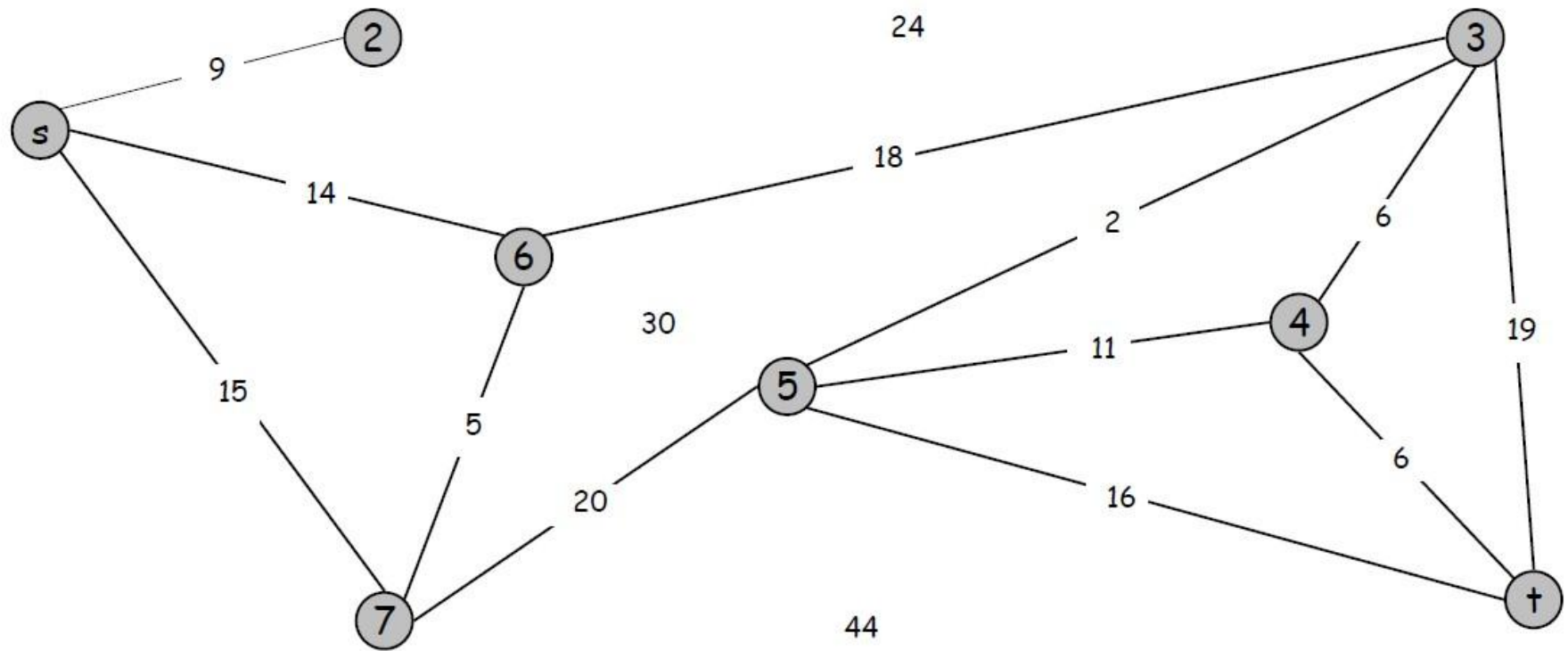
Reverse Delete Minimum Spanning Tree Algorithm



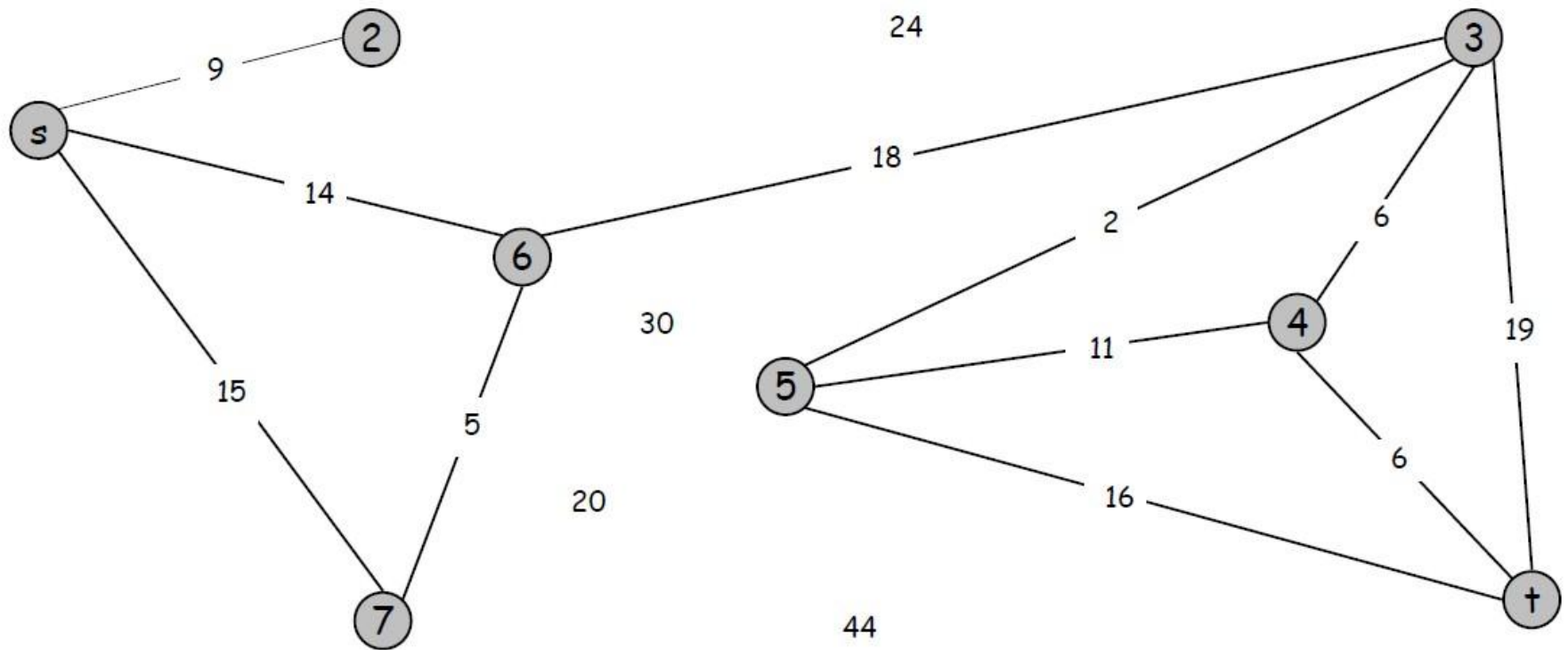
Reverse Delete Minimum Spanning Tree Algorithm



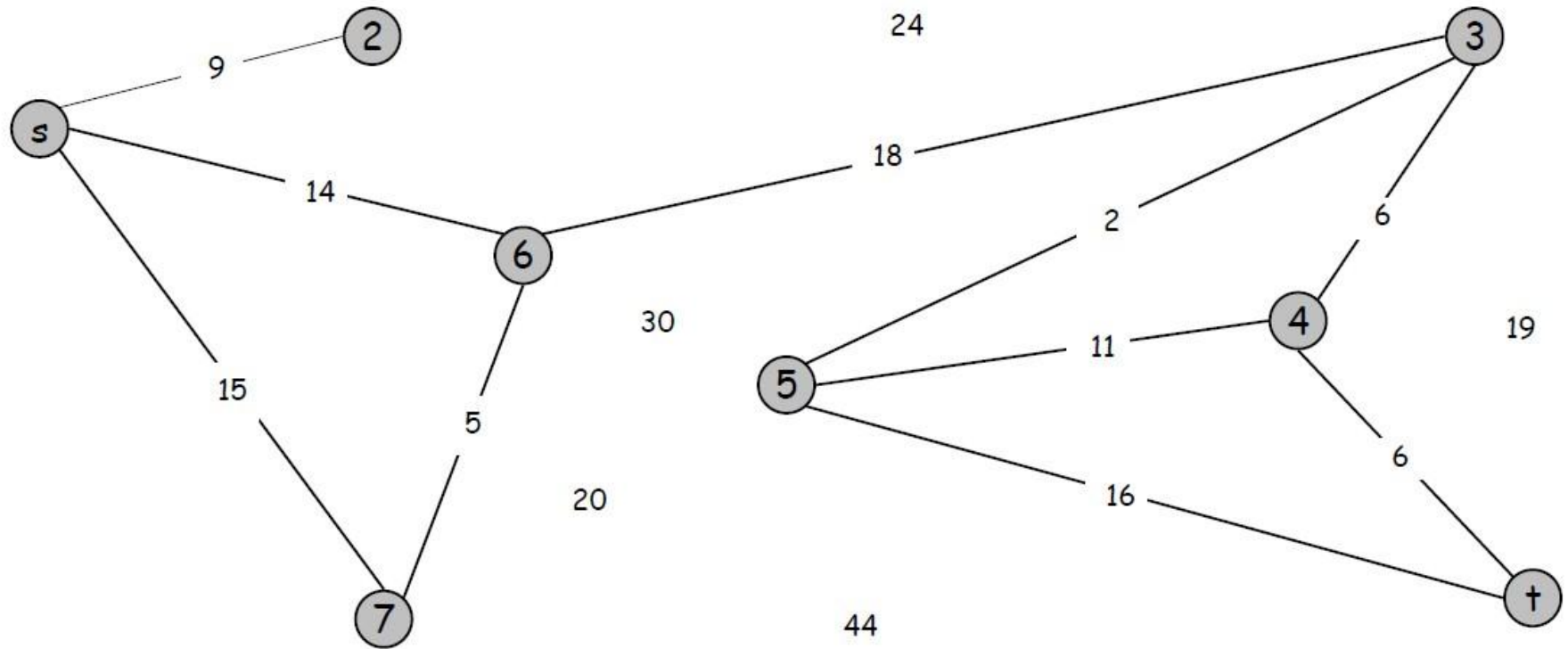
Reverse Delete Minimum Spanning Tree Algorithm



Reverse Delete Minimum Spanning Tree Algorithm

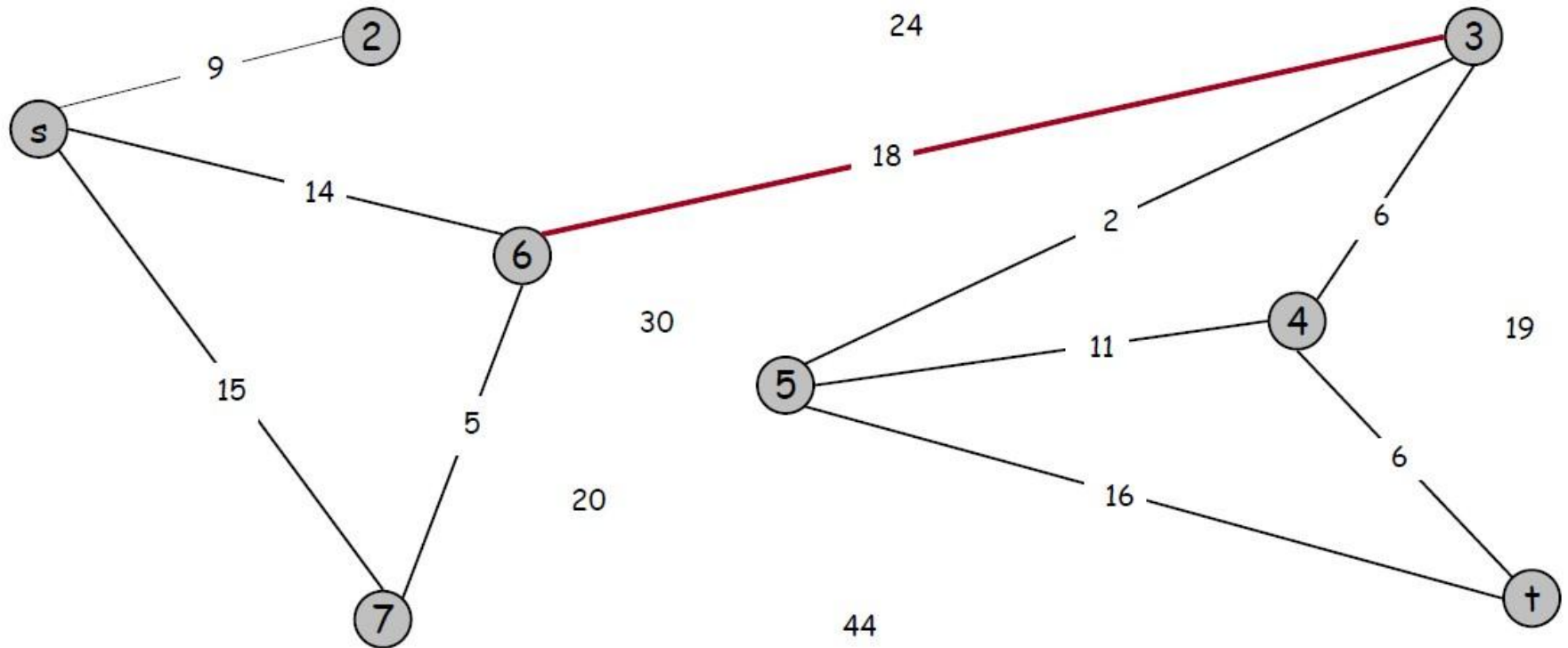


Reverse Delete Minimum Spanning Tree Algorithm

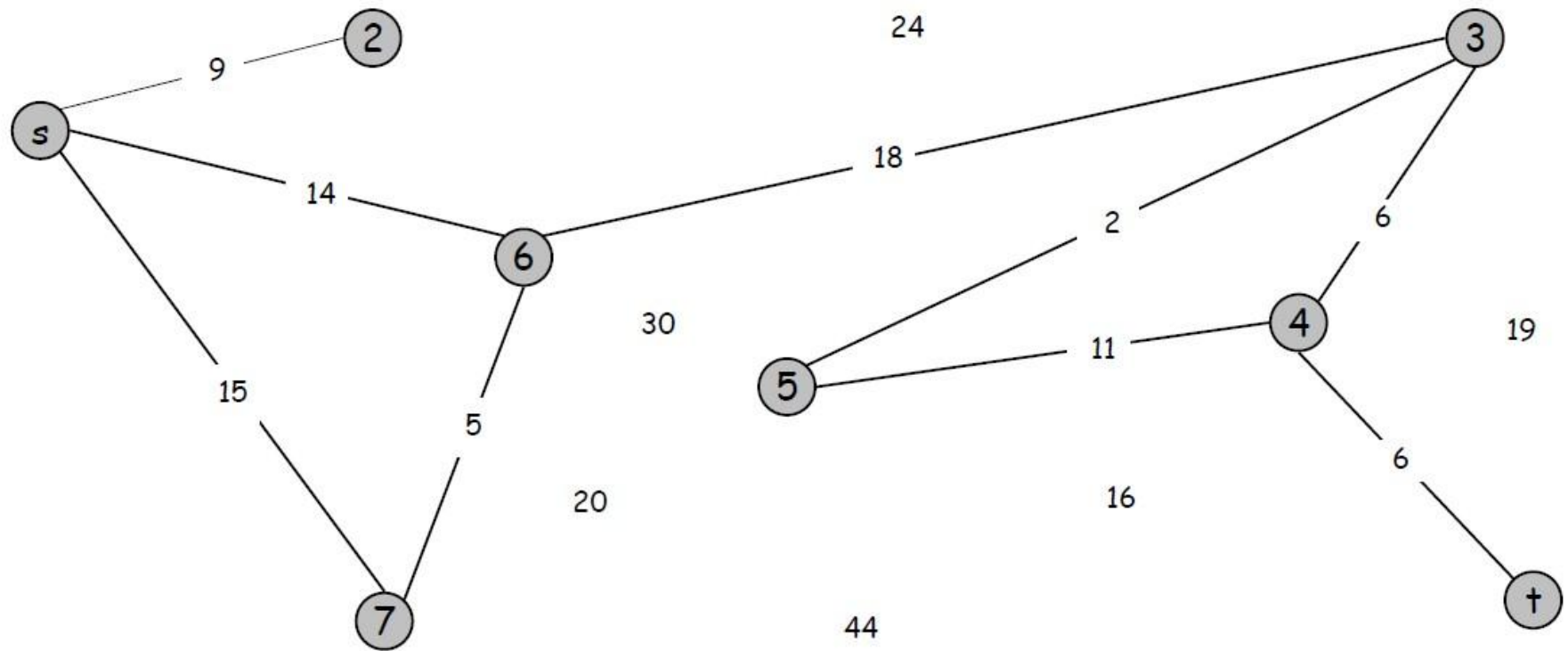


Reverse Delete Minimum Spanning Tree Algorithm

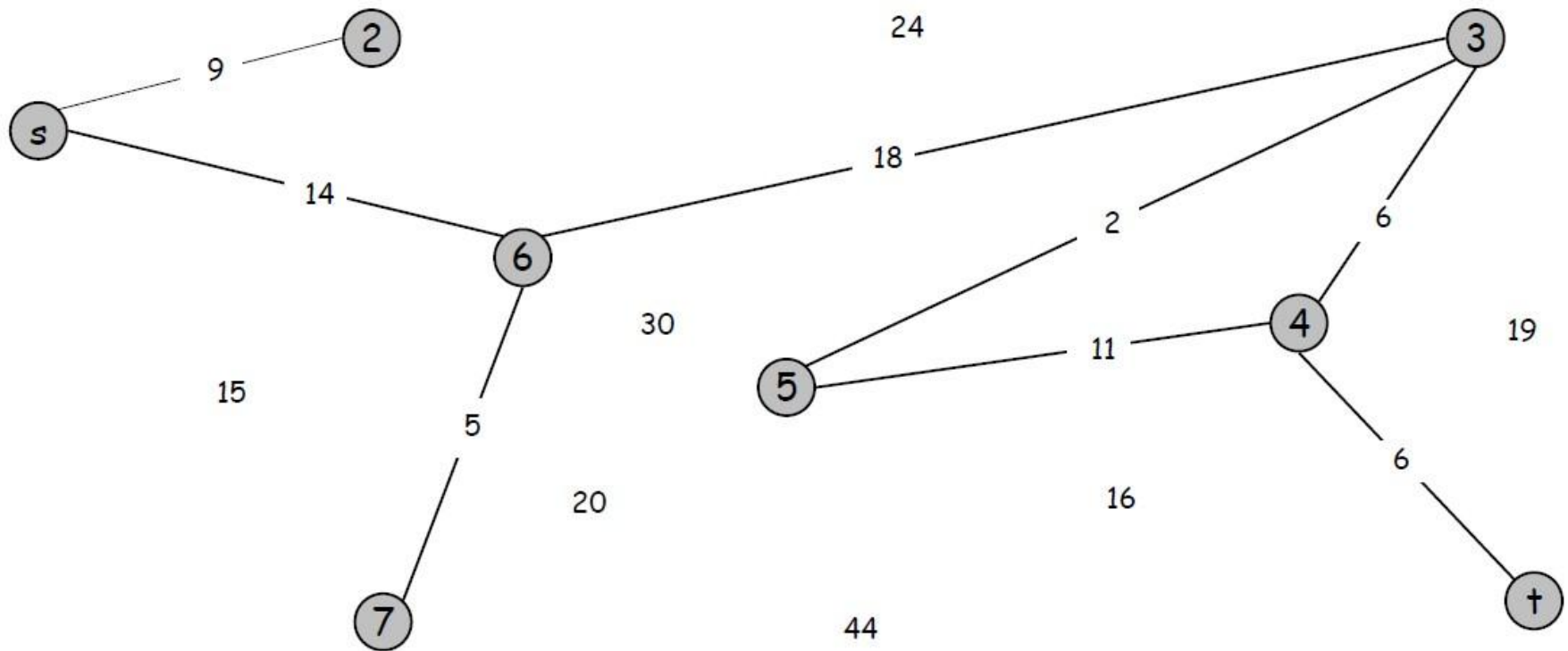
I



Reverse Delete Minimum Spanning Tree Algorithm



Reverse Delete Minimum Spanning Tree Algorithm



Reverse Delete Minimum Spanning Tree Algorithm

Minimum Spanning Tree Weight = 60

I

