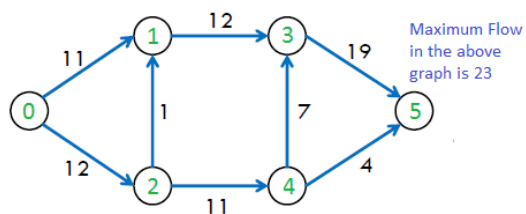
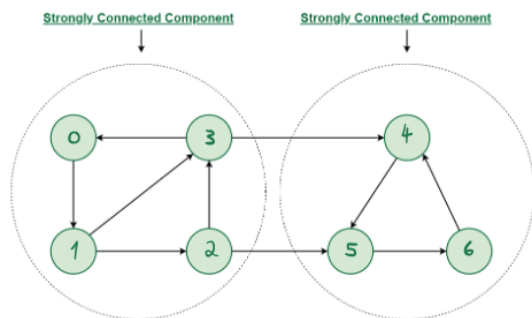


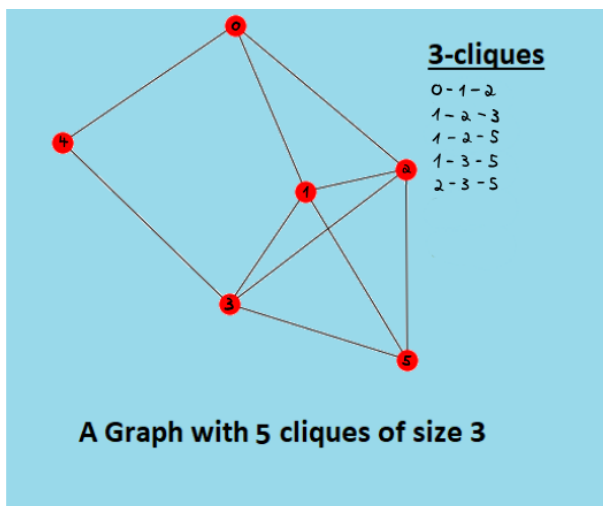
## 1) Max - Flow



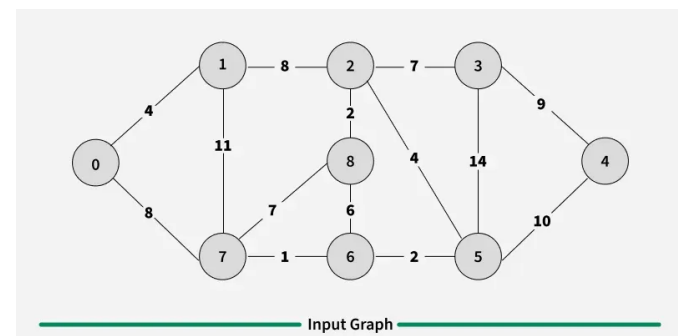
## 2) SCC



## 3) K - Cliques

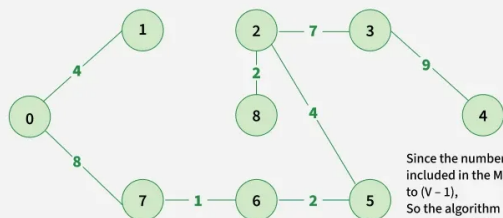


## 4) MST



10  
Step

Final obtained graph minimum spanning tree.



Since the number of edges included in the MST equals to  $(V - 1)$ , So the algorithm stops here. Total cost of MST = (37)

Kruskal's Minimum Spanning Tree (MST) Algorithm