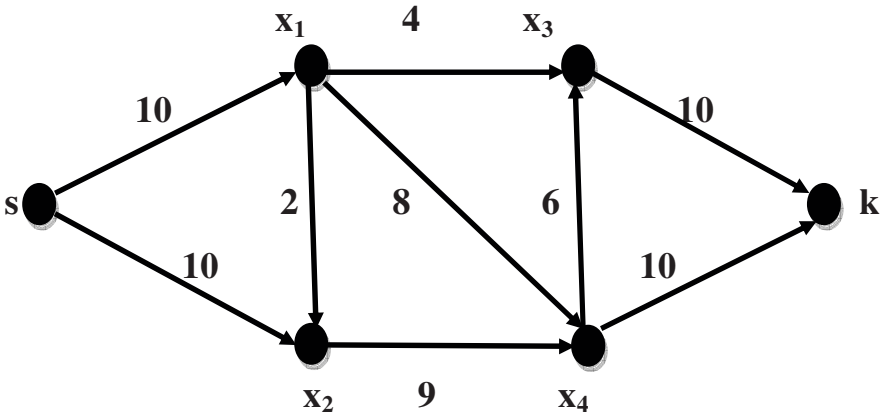
Tutorial Session (6)

Exercise 1:

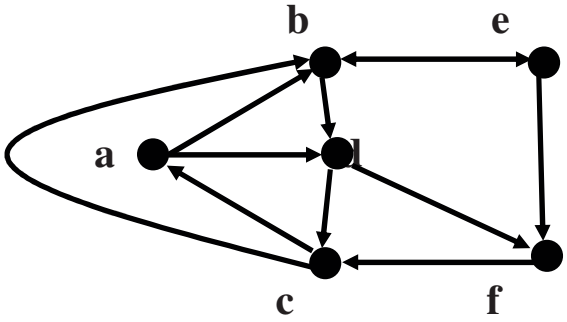
Consider the following transportation flow network:



Find the maximum flow that can be sent from the source **s** to the sink **k**

Exercise 2:

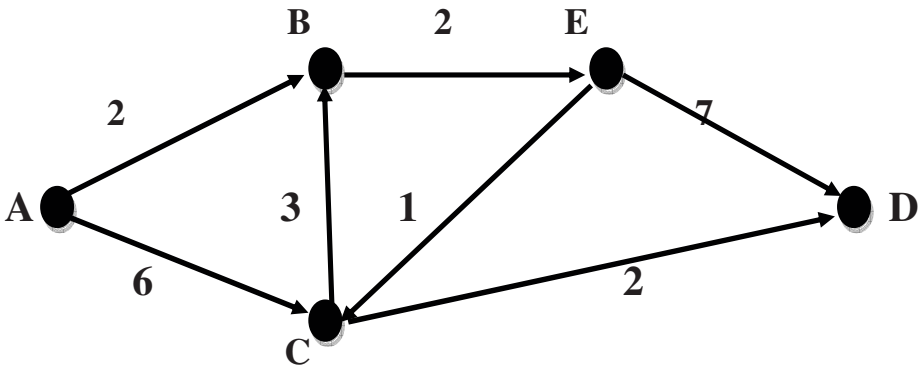
Let the following graph $\mathbf{G}=(\mathbf{X},\mathbf{U})$



Using Trémeaux-Tarjan algorithm, determine the strongly connected components of $\mathbf{G}$.

Exercise 3:

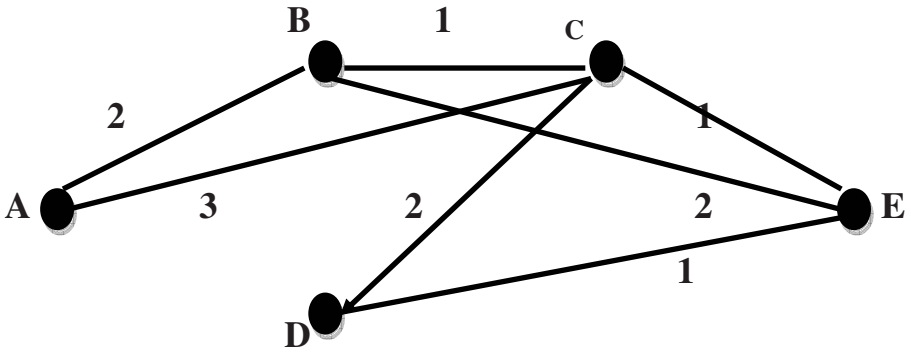
Consider the following transportation flow network:



Find the shortest paths from **A** to every other vertex of the graph.

Exercise 4:

Consider the following transportation flow network:



Find a spanning tree of maximum weight.