Step-1
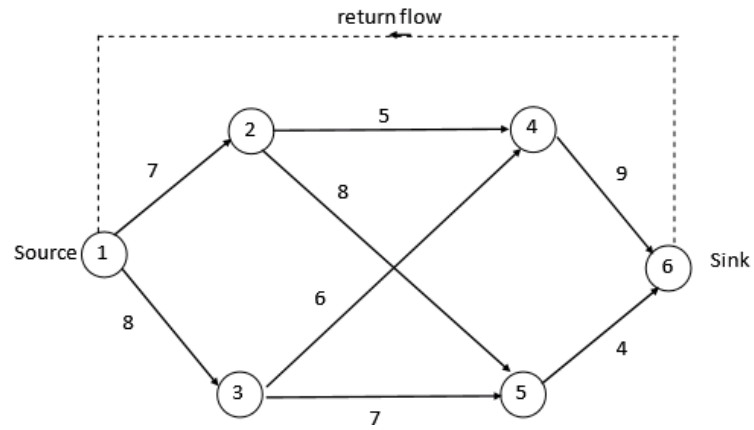
Consider the following 6-node network with the corresponding edge capacities.

It is observed from just inspection that the maximum flow is $5+4+4=13$

Step-2

Let us take the minimal cut separating node 6 from the other nodes as shown below.