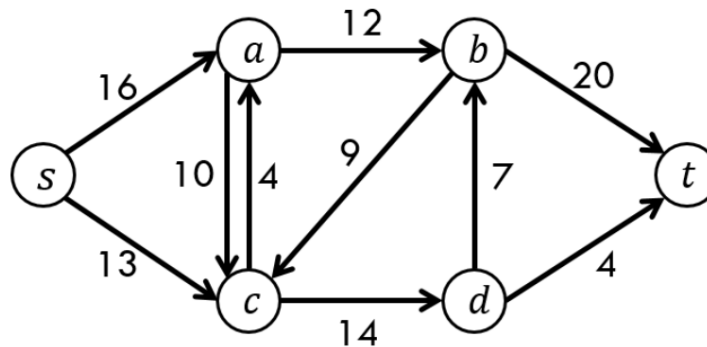


Practice Problem #6: Maximum Flow Problem

1 Solve the following Maximum Flow Problems via an Augmenting-path Algorithm

1.1 Network #1

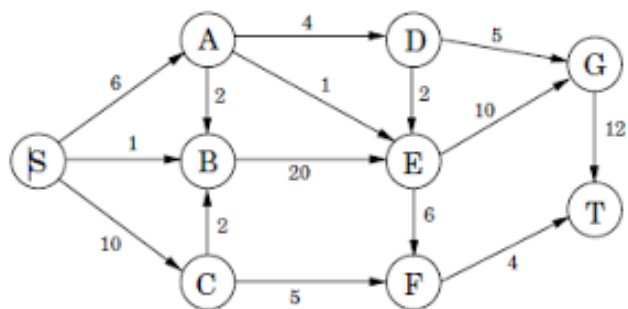
a Determine the maximum amount of flow sent from s to t .



b If you wanted to increase the maximum flow from s to t , which arcs would you choose to increase the capacity? What's the sum of the capacities on all these arcs?

1.2 Network #2

- a Determine the maximum amount of flow sent from s to t .



- b If you wanted to increase the maximum flow from s to t , which arcs would you choose to increase the capacity? What's the sum of the capacities on all these arcs?