## **Question 2**

We can see that this algorithm does not compute a maximum flow for the network above labeled #1. There are several possible flows that this could calculate. The flow #2 above, is the maximal flow for this graph with a capacity of 10. The second flow #3 is suboptimal but could be selected by this greedy algorithm if it arbitrarily picked a path that took the central edge, thus limiting the maximum flow.

1