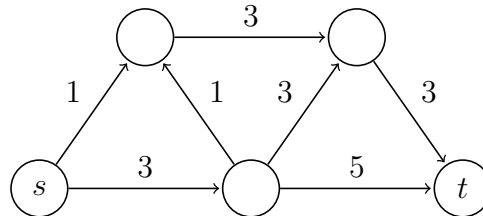


# Network Flow Exercises

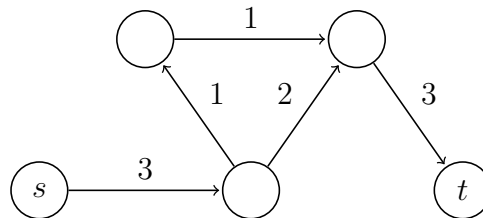
CS 331H

Not to be turned in

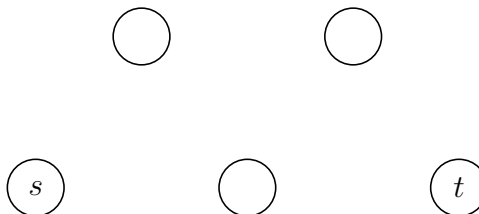
- Consider running network flow on the graph with the following capacities:



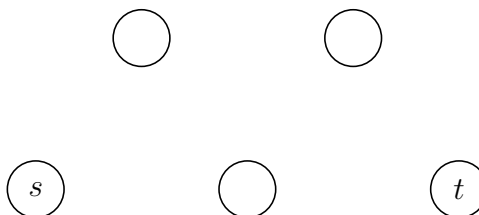
We currently have flow



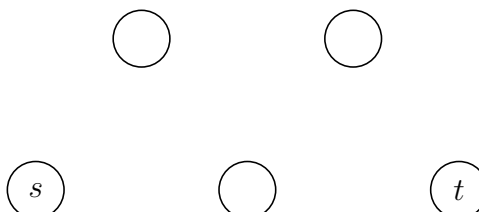
- Draw the residual graph.



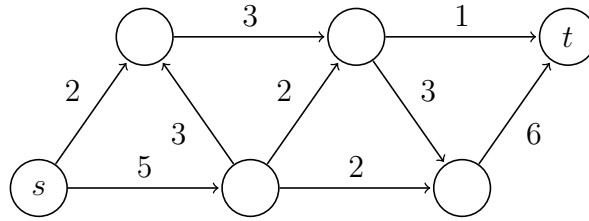
- Draw the shortest augmenting path.



- Draw the residual graph in the next round.



2. (a) Similar to problem 1, draw out every step of the Ford-Fulkerson max flow algorithm when run on the following graph, when choosing the maximum capacity augmenting path in each iteration:



- (b) What is the corresponding cut?