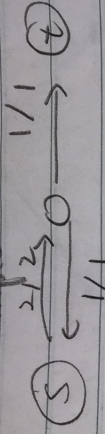


Assignment 5

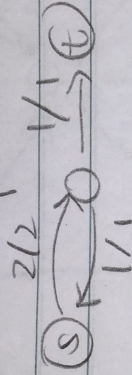
Additional Written Part

From the book: Exercise 6.38

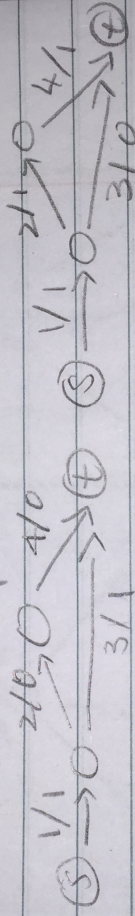
a) False. Counterexample:



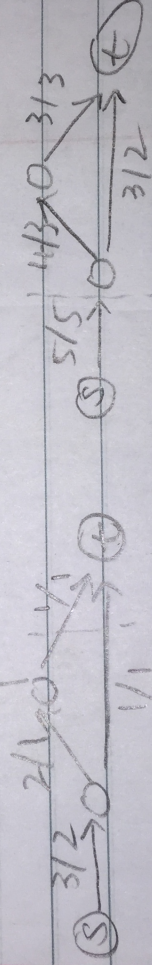
b) True. One example that there exists is:



c) False. Counterexample:



d) False. If we add a positive number 2, counterexample:



e) True. If all edge capacities are multiplied by a positive integer. The value of every cut gets multiplied by that number. Thus, the relative order of cuts does not change.