

CS 6363: Design and Analysis of Algorithms – Fall 2019
Homework #4 – Due: October 30
Professor D.T. Huynh

Problem #1. Do Problem # 22.2-8 in [CLRS], page 602.

Problem #2. Do Problem # 22.4-3 in [CLRS], page 615.

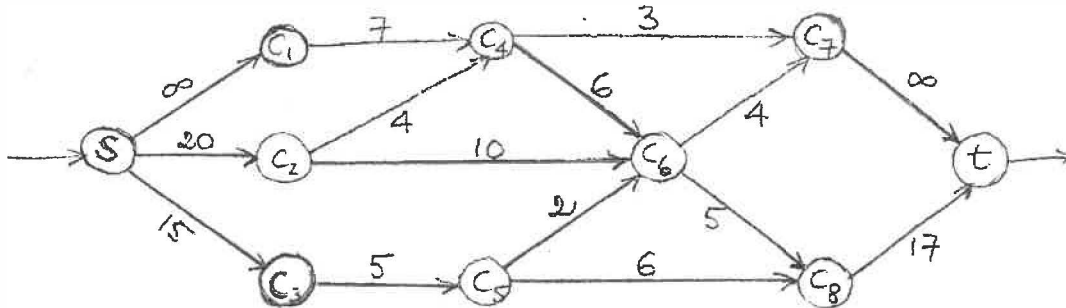
Problem # 3. Do Problem # 23.2-8 in [CLRS], page 637.

Problem #4. Do Problem # 24.1-3 in [CLRS], page 654.

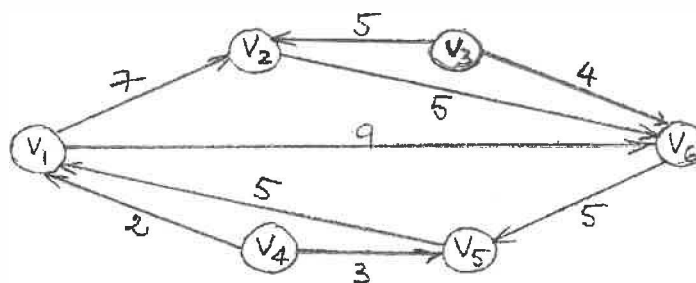
Problem #5. Do Problem # 24.3-8 in [CLRS], page 664.

Problem #6. Do Problem # 24.3-10 in [CLRS], page 664.

Problem #7. Perform Ford-Fulkerson algorithm on the following network



Problem #8. Perform Floyd-Warshall algorithm on the following directed graph:



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Attention. Exam #2 will be on November 5. It covers Section 3.3 - Chapter 5.