# CS 201: DISCRETE STRUCTURES SECTION G

## **Assignment 07**

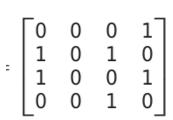
DUE: Tuesday October 16, 2018.

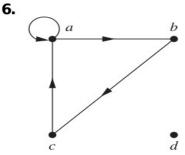
## **Submit a handwritten copy**

### Problem 1

Given the Warshall's algorithm from Rosen's book:

Dry run Warshall's algorithm on the following matrices. Show how the above algorithm works by writing down the 4 matrices when z=1,2,3 and 4 and check your answer from book for the first matrix.





### **Problem 2**

Read section 2.3 and read about increasing and strictly increasing functions and also decreasing and strictly decreasing functions.

Page 152: question 1, 3, 5, 7, 21, 23, 25, 27, 29