The University of New South Wales
COMP9315 DBMS Implementation
Final Exam

[Instructions] [Notes] [PostgreSQL] [C]
[Q1] [Q2] [Q3] [Q4] [Q5] [Q6] **[Q7]** [Q8]

Question 7 (4 marks)

Consider the following concurrent schedule on three transactions:

```
T1: R(X) W(X)              R(Y)                    W(Y)
T2:            R(Y)                 R(X) W(Y)               W(X)
T3:                 R(X)                      R(Y)              W(X) W(Y)
```

Assume that all transactions commit successfully, and that no system failures prevent complete update of all changes to the database.

 a. Is the schedule *conflict* serializable?
    (If you need to draw a graph for this, use a piece of paper or a drawing tool.
    There's no need to submit your drawn graph, but some indication of its structure is required)

 b. Is the schedule *view* serializable?

Show all working.

Instructions:

- Type your answer to this question into the file called `q7.txt`
- Submit via: **give cs9315 exam_q7 q7.txt**
  or via: Webcms3 > exams > Final Exam > Submit Q7 > Make Submission

End of Question