COMP9315 Final
Exam

The University of New South Wales
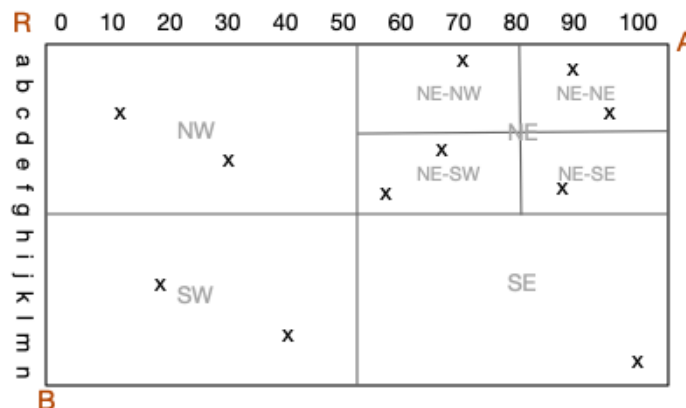COMP9315 DBMS Implementation
Final Exam

DBMS
Implementation

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

Question 6 (3 marks)

Consider the following tuple space for a relation T(A,B) which has been indexed/partitioned by a quad-tree.

a. How many nodes are in the quad-tree?

b. If we ask the query `select * from R where A > 40 and B < 'f'`, then which quadrants (and subquadrants and ...) would need to be examined?

c. How many tuples (appearing as x's on the diagram) would be in the result set?

Show all working.

Instructions:

- Type your answer to this question into the file called q6.txt
- Submit via: **give cs9315 exam_q6 q6.txt**
  or via: Webcms3 > exams > Final Exam > Submit Q6 > Make Submission

End of Question