

Solution B

T3:
Slock A
Read A
Unlock A

ore, T1 and T3 cannot fully run concurrently, but u lock is still good compare with solution A.

on Add unlock in the middle and check if A is changed after Xlock

T3:
Slock A
Read A
Unlock A

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the next lock is taken an exclusive lock to check the value.

generate some wormhole transactions, causing inconsistency.

Granular locks

[illegible]

ed to take the locks when they start to run.

Overall, T1 and T2 can run concurrently from the beginning till

the end but T3 will be delayed

conflict between S and SIX.

would be delayed.

but T2 has to delayed at root node due to conflict.



COMP90050 ADDBS

Exercise – 2022 Win

Question 9

6 pts

Transactions of P are T1 and T2, please answer for both scenarios.

nsactions.

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compatibility matrix is as follows

[illegible]