Concurrency examples



Assume no locks are used. What problem occurs?:

(solution below)

$$\alpha = read(X)$$



Assume 2PL is used. What problem occurs?

(solution below)

Commit

Commit

Solvation to (A): This is inconsistent analysis, because an invalid value of X is used to compute the total.

Solution to (B): This is a dead lock. We obtain

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