

View equivalence between two schedules

$S_1 (T_a, T_b, T_c)$

$r_b(x) \text{ --- } \textcircled{1}$

$x = x + 10$

$r_a(y) \text{ --- } \textcircled{2}$

$w_b(x)$

$w_c(z) \text{ --- } \textcircled{3}$

$x = x + 50$

$w_b(x) \text{ --- } \textcircled{4}$

$S_2 (T_a, T_b, T_c)$

$r_a(y) \text{ --- } \textcircled{2}$

$w_c(z) \text{ --- } \textcircled{3}$

$r_b(x) \text{ --- } \textcircled{1}$

$x = x + 10$

$w_b(x)$

$x = x + 50$

$w_b(x) \text{ --- } \textcircled{4}$

View
Equivalent

Both schedules read the same values
for all DB items

and the final values of variables at the end of schedules
will be identical.

View Serializability

A schedule is view serializable if it is view equivalent
to a serial schedule.

All conflict-serializable schedules are also view-serializable
schedules.

However a view-serializable schedule may not be
conflict-serializable.