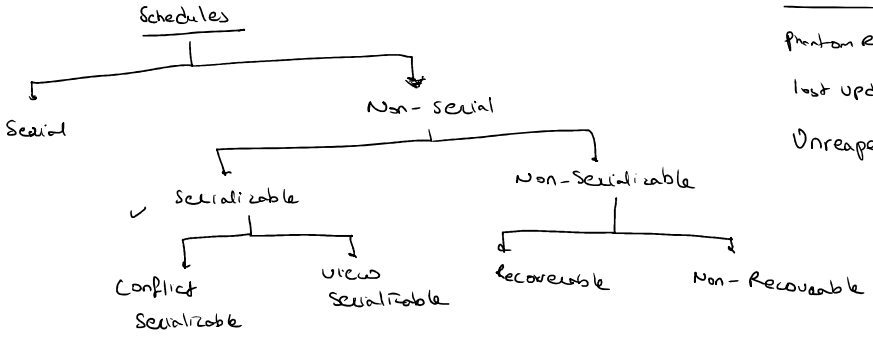
25 September 2023 13:37



Dirty Read

Phantom Read

lost update

Unreapeatable Read

T_1	T_2
RA	
	RA
WA	
	RA

Conflict Serizable

Non-Conflicting

T_1	T_2
R(A)	
W(A)	
	R(A)

T_1	T_2
R(A)	
W(A)	~~R(A)~~
~~W(A)~~	R(A)
	W(A)

→ Conflicting operations:

Ans
1) Diff transactions
2) Work on same data
3) If either of two is W

RR]
RW
WR
WW

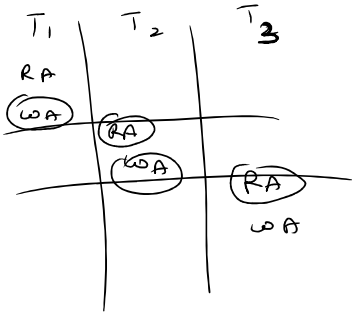
T_1	T_2
W(A)	W(B)
R(A)	R(A)

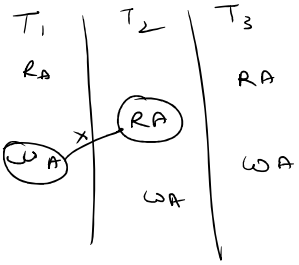
View Serializability

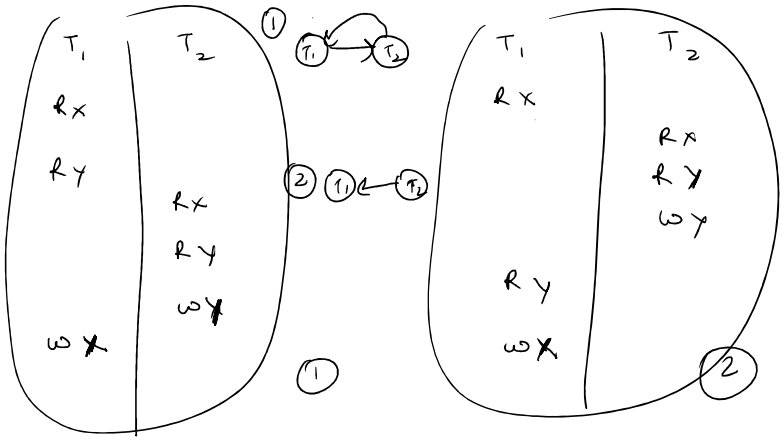
1) _____

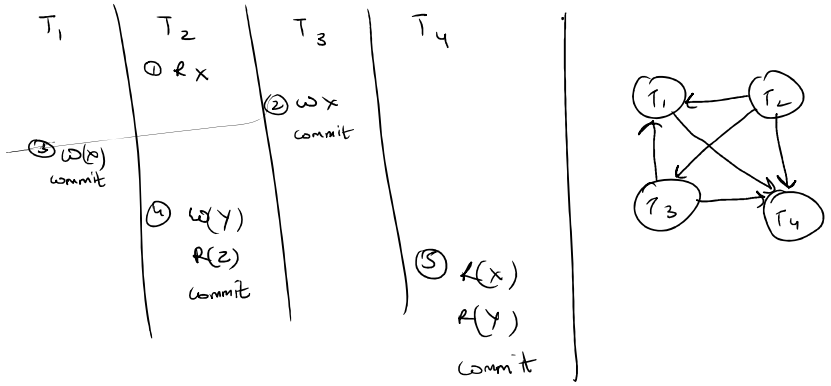
2) Conflict serializable → View Serializable

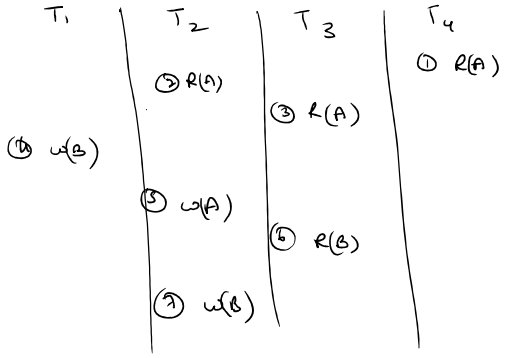
1) Intial Read
2) Updated Read
3) Final write





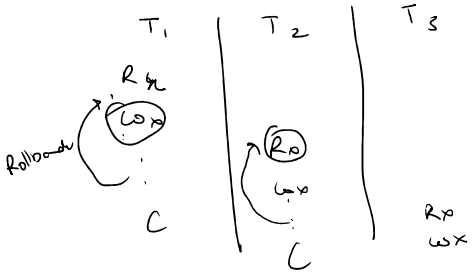




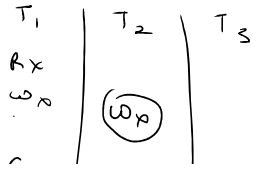


Recoverable → cascading, cascadeless, strict

Cascading



Cascadeless



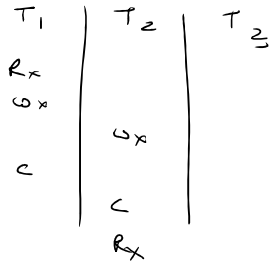
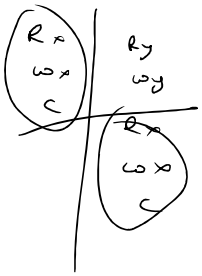
Blind write

strict

Dirty Read

lost update

Blind write



Strict : DR x BW x lost Update x