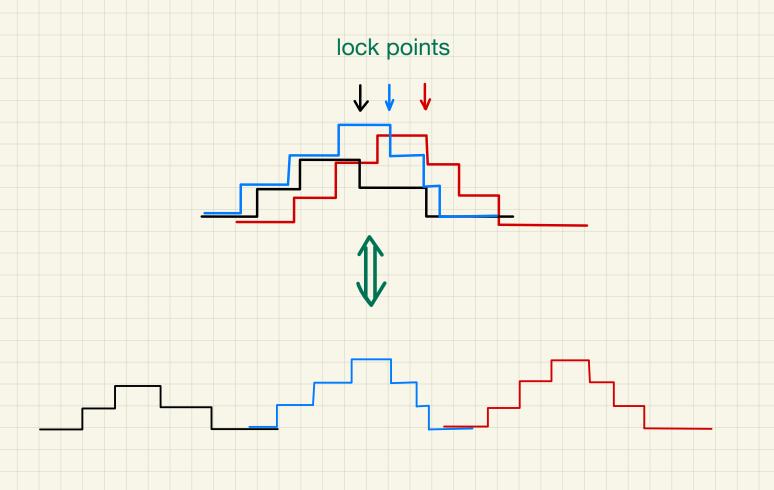
Toute exécution 2 PL peut être sérialisée en une succession où les trx. apparaissent dans l'ordre de leurs "Lock points".

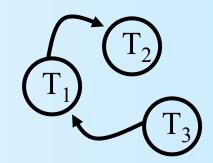


The Price to Pay For 'Simplicity'...

$$W_1(A)R_2(A)R_3(B)W_1(B)$$

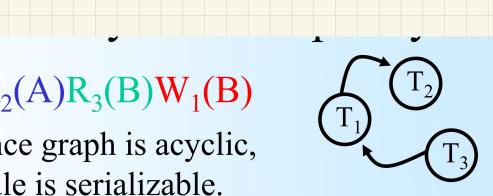
Can it be turned into a 2PL-schedule?

The precedence graph is acyclic, so the schedule is serializable.



- By rules L1 and L3, T_1 must issue $U_1(A)$ prior to $R_2(A)$.
- Because of $R_3(B)W_1(B)$, the first (and only) unlock $U_3(B)$ of T_3 must precede the first unlock of T_1 (cf. lemma).
- It follows that $U_3(B)$ must precede $R_2(A)$.
- But then T_2 cannot satisfy rules L1 and L2...
- To conclude, in 2PL, the reads and writes cannot occur in exactly the order shown.





ne precedence graph is acyclic, the schedule is serializable.

A cause de L1 et L3:

 $W_1(A) I U_1(A) S_1(A) R_2(A) R_3(B) W_1(B)$

A couse de Time et Lemma,

 $W_1(A)I U_1(A)S_2(A)R_2(A)R_3(B)W_1(B)$

Lock point de T1
Lock point de T3

 $U_3(B)...U_1(A)S_2(A)R_2(A)R_3(B)W_1(B)$

MAIS alors, R3 (B) ne peut pas apparaître entre S3(B) et U3 (B).