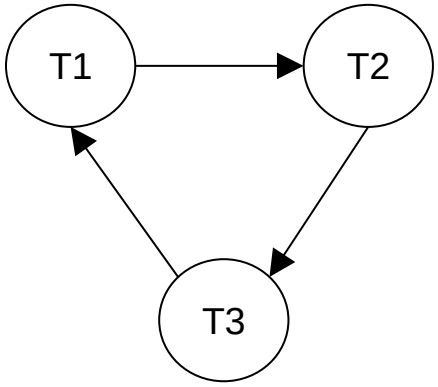
1) Select all edges that are present in the above schedule's dependency graph.

T1	R(A)	W(A)				R(B)			W(B)	
T2			R(A)							R(C)
T3				R(A)	R(B)		R(C)	W(A)		



2) This schedule is:

~~Serial~~
~~Serializable~~
~~Conflict Serializable~~
None of the above.

3)

T1		R(A)	W(A)						R(B)	W(B)
T2				R(A)			W(A)	R(C)		
T3	R(B)				R(C)	R(A)				

False

4) True or False: Every serializable schedule is also conflict serializable.

False

5) True or False: If its dependency graph has no cycles, a schedule is always conflict serializable.

True

6)

Lock_X(A)	
Lock_S(B)	
	Lock_S(B)
Read(A)	
	Read(B)
	Lock_S(A)
Read(B)	
A := B+A	
Write(A)	
Lock_X(C)	
Read(C)	
C := A+C	
Write(C)	
Unlock(A)	
	Read(A)
	Lock_S(C)
Unlock(C)	
	Read(C)
Unlock(B)	
	print(C+B)
	Unlock(B)
	Unlock(C)
	Unlock(A)

If the initial values of A, B, and C are 20, 30, 45 respectively, what is printed by print(C+B)?

125

7) The given schedule follows:

2PL

Strict 2PL