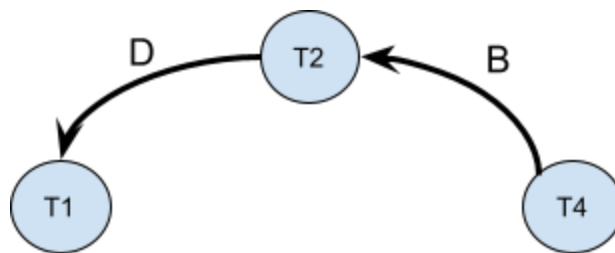


### 9.1.1 Lock Exercise - Table (Sample Solution)

Time	Transaction	Activity	A	B	C	D
0	T1	READ A	S(T1)			
1	T2	READ B		S(T2)		
2	T3	READ C			S(T3)	
3	T1	READ D				S(T1)
4	T4	READ A	S(T4)			
5	T4	READ B		S(T4)		
6	T4	UPDATE B		T4 wait T2		
7	T3	UPDATE C			X(T3)	
8	T2	READ A	S(T2)			
9	T1	UPDATE C			T1 wait T3	
10	T3	COMMIT			X(T1)	
11	T2	READ D				S(T2)
12	T2	UPDATE D				T2 Wait T1

Wait for Graph:



Deadlock is not present since there is no loop between transactions