Each item shows two transactions (T1 and T2) operating on a shared variable A.

Instructions:

1. Identify the concurrency problem (e.g., Lost Update, Dirty Read, etc.)
2. Compute the final value of A.

Item 1

Time	T1	T2	A Initial = 300
t1	READ(A)		
t2	A = A - 50		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 100	
t6		WRITE(A)	

Item 2

Time	T1	T2	A Initial = 300
t1	READ(A)		
t2	A = A - 50		
t3		READ(A)	
t4		A = A + 100	
t5	WRITE(A)		
t6		WRITE(A)	

Item 3

Time	T1	T2	A Initial = 500
t1	READ(A)		
t2	A = A - 100		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 200	
t6		WRITE(A)	

Item 4

Time	T1	T2	A Initial = 400
t1	READ(A)		
t2	A = A - 100		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 50	
t6		WRITE(A)	

Item 5

Time	T1	T2	A Initial = 600
t1	READ(A)		
t2	A = A - 200		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 100	
t6		WRITE(A)	

Item 6

Time	T1	T2	A Initial = 700
t1	READ(A)		
t2	A = A - 100		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 300	
t6		WRITE(A)	

Item 7

Time	T1	T2	A Initial = 800
t1	READ(A)		
t2	A = A - 150		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 200	
t6		WRITE(A)	

Item 8

Time	T1	T2	A Initial = 900
t1	READ(A)		
t2	A = A - 300		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 100	
t6		WRITE(A)	

Item 9

Time	T1	T2	A Initial = 1000
t1	READ(A)		
t2	A = A - 250		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 150	
t6		WRITE(A)	

Item 10

Time	T1	T2	A Initial = 1200
t1	READ(A)		
t2	A = A - 100		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 200	
t6		WRITE(A)	

Item 11

Time	T1	T2	A Initial = 1000
t1	READ(A)		
t2	A = A - 200		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 300	
t6		WRITE(A)	

Item 12

Time	T1	T2	A Initial = 1100
t1	READ(A)		
t2	A = A - 100		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 200	
t6		WRITE(A)	

Item 13

Time	T1	T2	A Initial = 1200
t1	READ(A)		
t2	A = A - 300		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 100	
t6		WRITE(A)	

Item 14

Time	T1	T2	A Initial = 1300
t1	READ(A)		
t2	A = A - 400		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 200	
t6		WRITE(A)	

Item 15

Time	T1	T2	A Initial = 1400
t1	READ(A)		
t2	A = A - 500		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 300	
t6		WRITE(A)	

Item 16

Time	T1	T2	A Initial = 1500
t1	READ(A)		
t2	A = A - 600		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 400	
t6		WRITE(A)	

Item 17

Time	T1	T2	A Initial = 1600
t1	READ(A)		
t2	A = A - 700		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 500	
t6		WRITE(A)	

Item 18

Time	T1	T2	A Initial = 1700
t1	READ(A)		
t2	A = A - 800		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 600	
t6		WRITE(A)	

Item 19

Time	T1	T2	A Initial = 1800
t1	READ(A)		
t2	A = A - 900		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 700	
t6		WRITE(A)	

Item 20

Time	T1	T2	A Initial = 1900
t1	READ(A)		
t2	A = A - 1000		
t3	WRITE(A)		
t4		READ(A)	
t5		A = A + 800	
t6		WRITE(A)	