	Becovery Algorithm				
ØF	System crash at (before) [write_item T2, D, 25, 26]				
	[Start T5]	UNPO LIST REPO LIST			
	[read Ts.C]	T3 , T2 , T1 -			
	[ write Ts. B, 15,12]				
	[ start T2]	Additional log records tor			
	[read T2, B]	undoing T3, T2 and T1 are			
	[ write T2 8 12.18]				
	[start II]	<t1, 20="" p,=""></t1,>			
	[read TI, A]	< Ti about>			
	[read TI,D]	< T2 , 8 , 127			
	[wite Ti, D 20, 25]	<te about?<="" th=""></te>			
	[read Te D]				
	CRASH	Cholic To abort >			
	[ write T2, D. 25, 26]	CB 6.127			
	[red Ts, A]	Storio as			
		52,4,57			
	Diagram Strade at 2				
	T3 '				
	T <sub>2</sub>				
	Undo: Ts. Te, T. Failure  Redo:				
	Active Wansactions: T3, T2, T1				

## Final Log Reord

Wa network the chelie.

(Start T3) was instituted ( crof &) the down outsus < read T3, C> < write T3, B, 15,127 < start T2> < read T2, B> < write T2, B, 12, 187 stant Ti> < read T, A> < read Ti, D7 < write T1, D, 20,257 [A IT Lord (read T2, D) - CRASH -< Ti, P, 20> Ti, about> <T2 B,12> < Tz abort> [ Tree 15, A]

< To abort7

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62	(start TI)	UNDO	LIST RE	po ust		
	< read TI, A>					
	<read ti,d=""></read>	T <sub>2</sub>		T4-		
	< write T1, D, 20, 25>	I <sub>4</sub>				
	< commit Ti>	T <sub>3</sub>				
	[checkgoint]	UNDO :	T2, T3			
	<stant 72=""></stant>	hepo: T+				
	< read T2, B> Additional log re					
	< write T2, B, 12, 187	will be added to undo  T2 & T3 -				
12.4	<start 797<="" th=""></start>					
	<read t4,07<="" th=""><th colspan="5">(Since TI is comited before checkpoint</th></read>	(Since TI is comited before checkpoint				
	< write 74, 0, 25, 157	it will not be reguled to redone)  < T2, P, 15>				
	(stort T3)					
	< write 73, C, 30,40>					
	<red t4,a=""></red>	T4,A7 <t3, 307<="" c,="" th=""></t3,>				
	(write T+, A,30,20)	< T <sub>3</sub> about >  < T <sub>2</sub> , β, 12>  < T <sub>2</sub> about >				
	< commit T47					
	< read T2 ,D>					
	< write 72, 0, 15, 25>					
	- CFASH -	Diagno	)m)			
Answer:	<t2, 157<="" d,="" th=""><th></th><th></th><th></th></t2,>					
	< T2, C, 30>	1 70				
	< T3 abort> Ti	T2		1		
	<t2, 127<="" 8,="" th=""><th>T4 1</th><th></th><th></th></t2,>	T4 1				
	<t2 abort=""></t2>	Ti	, 1			
	UNDO: T		Failure			
	Karu .	: T4   Checkroint				