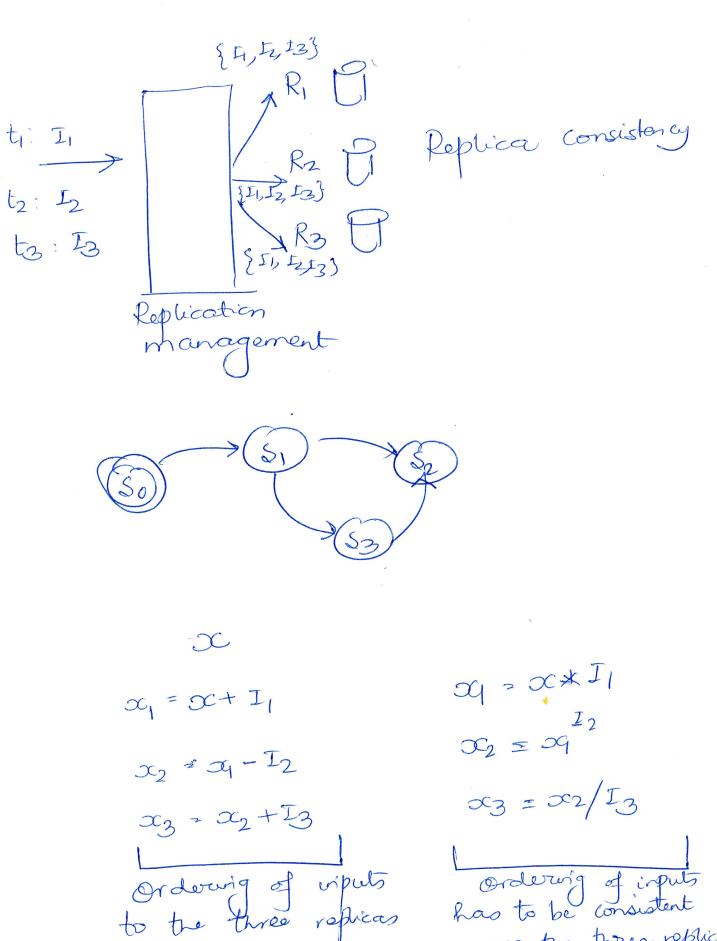
Distributed Protocol Primitives

No.				and the state of t
Resilience	of distribu	led protoco	e	
quantified (orcurred) (# failur	nty es, types	of failures)	
Fa	dure Repair 1	entes		
	How many other factures can tappen?		t	
# Concur	Crash	omission _	Turing	Incorrect Compat
Min # nocesses needed to get an (correct	f+1	f+1	f+1	2f+1
onside	Communication	n model Vo Synchor	onous	
· Asynch	o fartually sy			



not matter

(commutative operations)

pas to be consistent across the three replicas
(Non-commutable operations)

Reliable broadcast broadcast (m) {m,ms, m6} {ms, me,m] No A Sender 1 (S, m.id) Distributed protocol Timo complexity Message complexity Storage/state maintenance