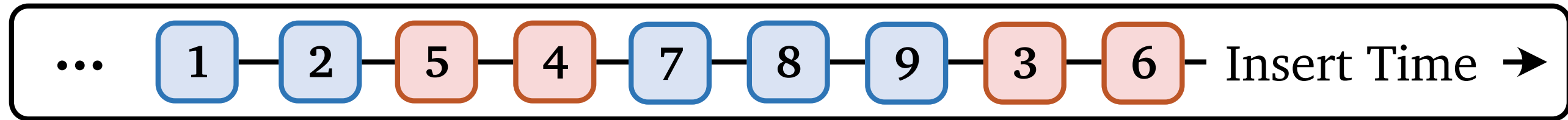
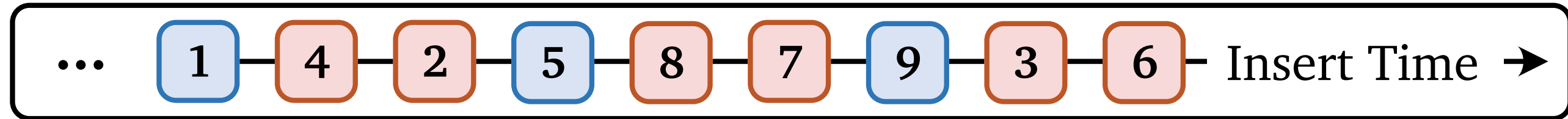


 In-order event  Out-of-order event

Replica 1

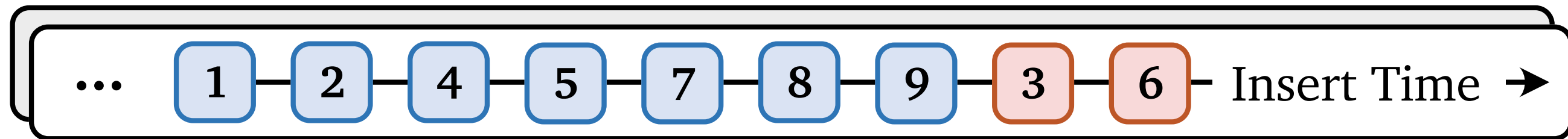


Replica 2



a) Eventual consistency

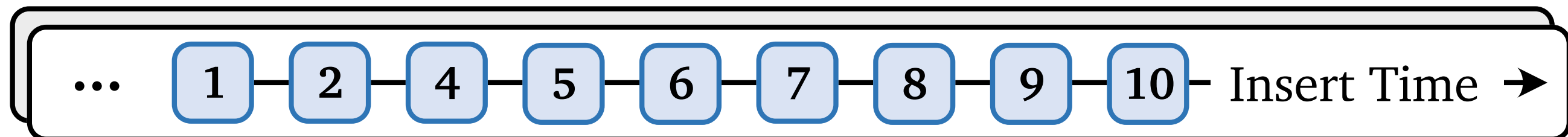
All Replicas



 Out-of-order events

b) Data-centric strong consistency with out-of-order events

All Replicas



Ordering by insert time \equiv ordering by event time

c) Client-centric strong consistency without out-of-order events