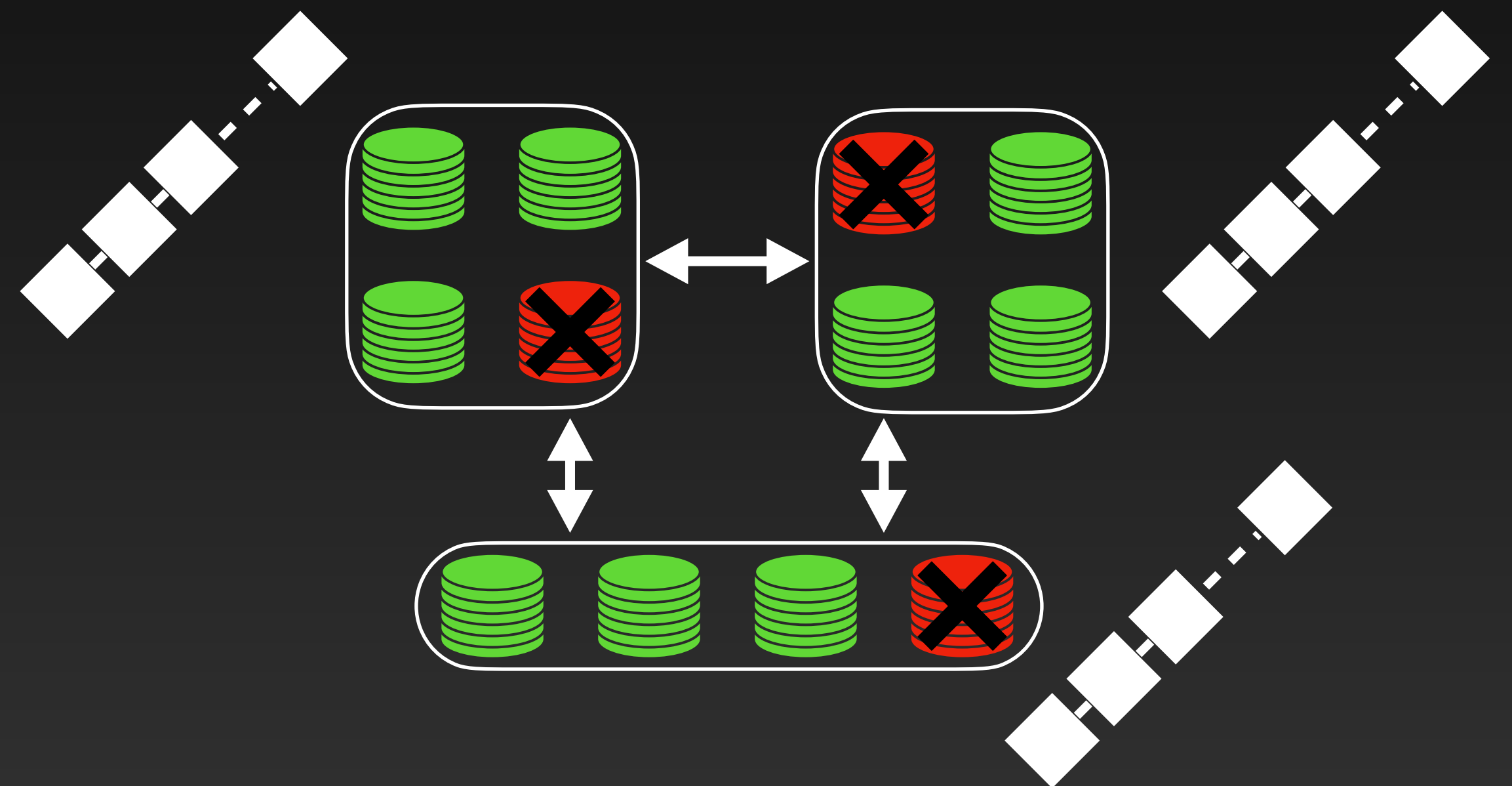


Traditional



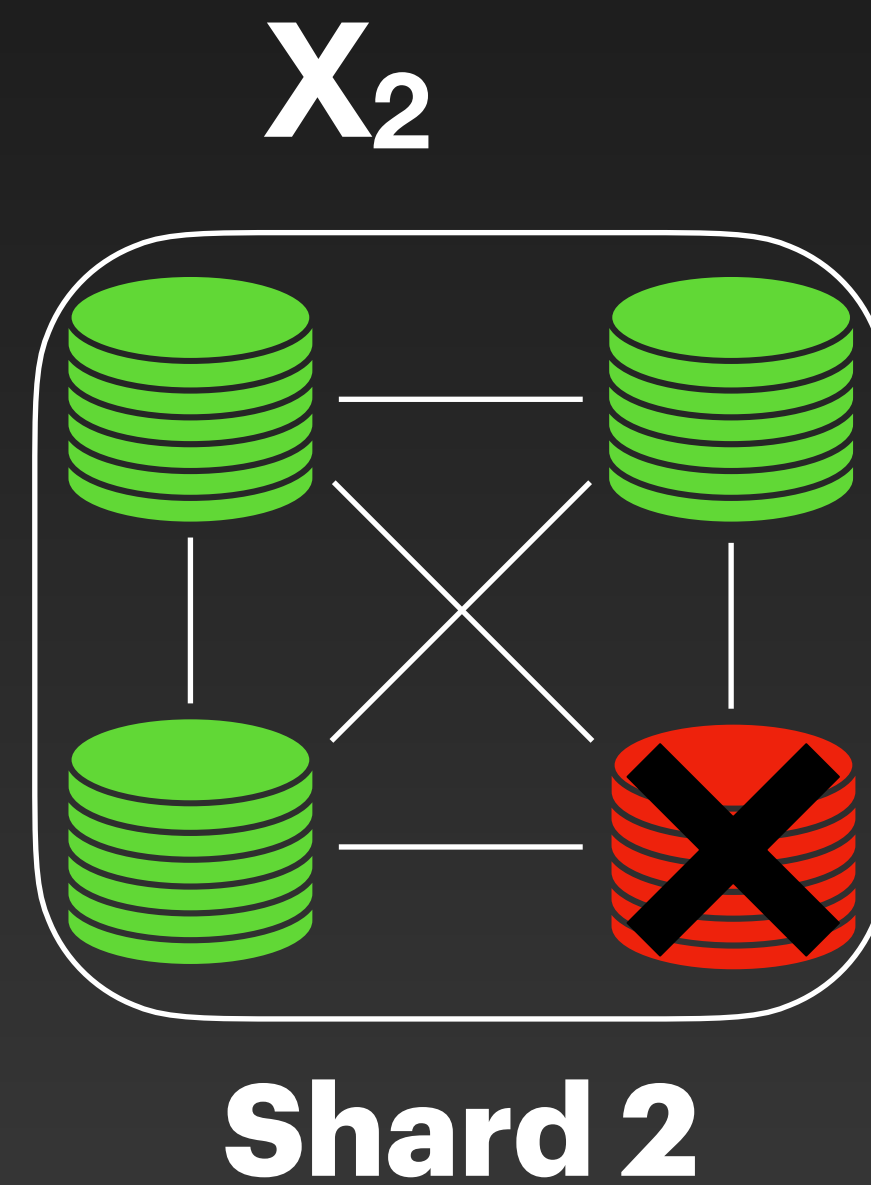
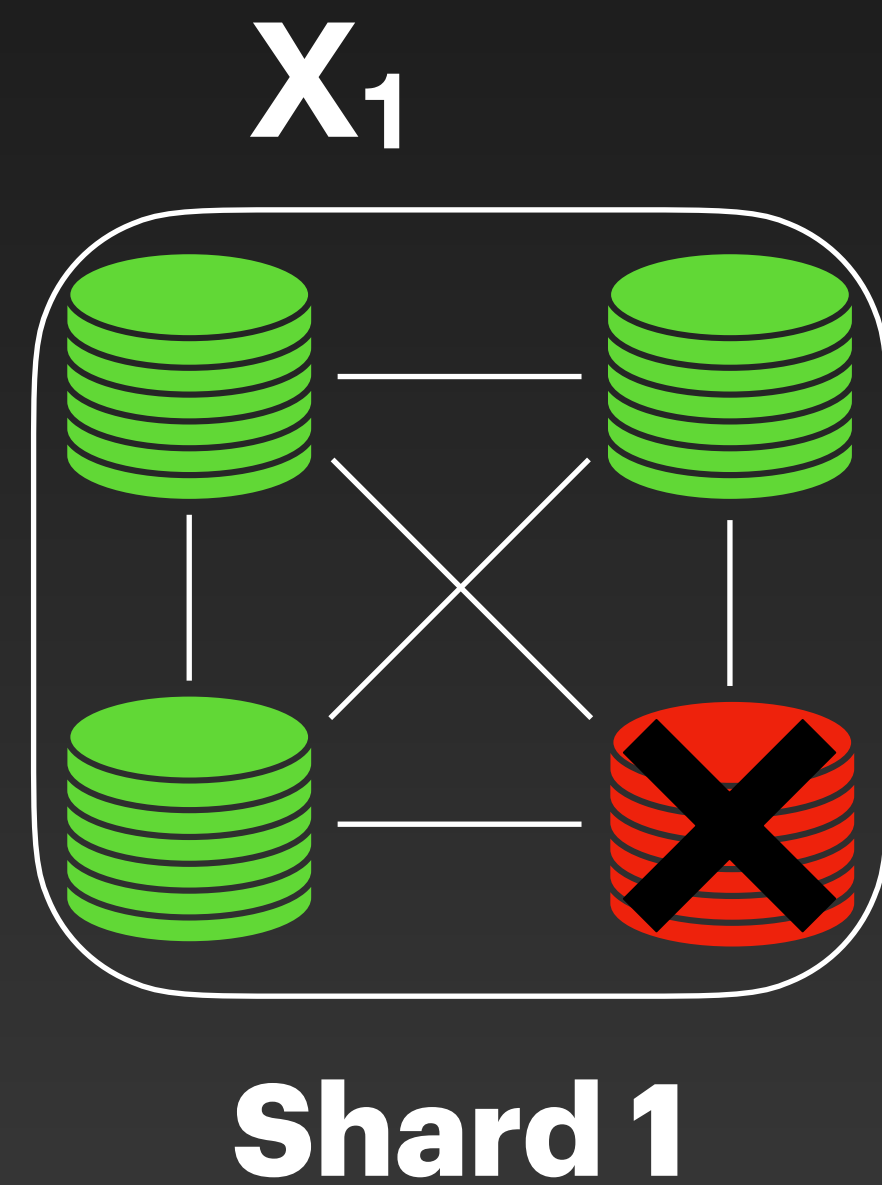
Sharding



State Sharding

An example transaction

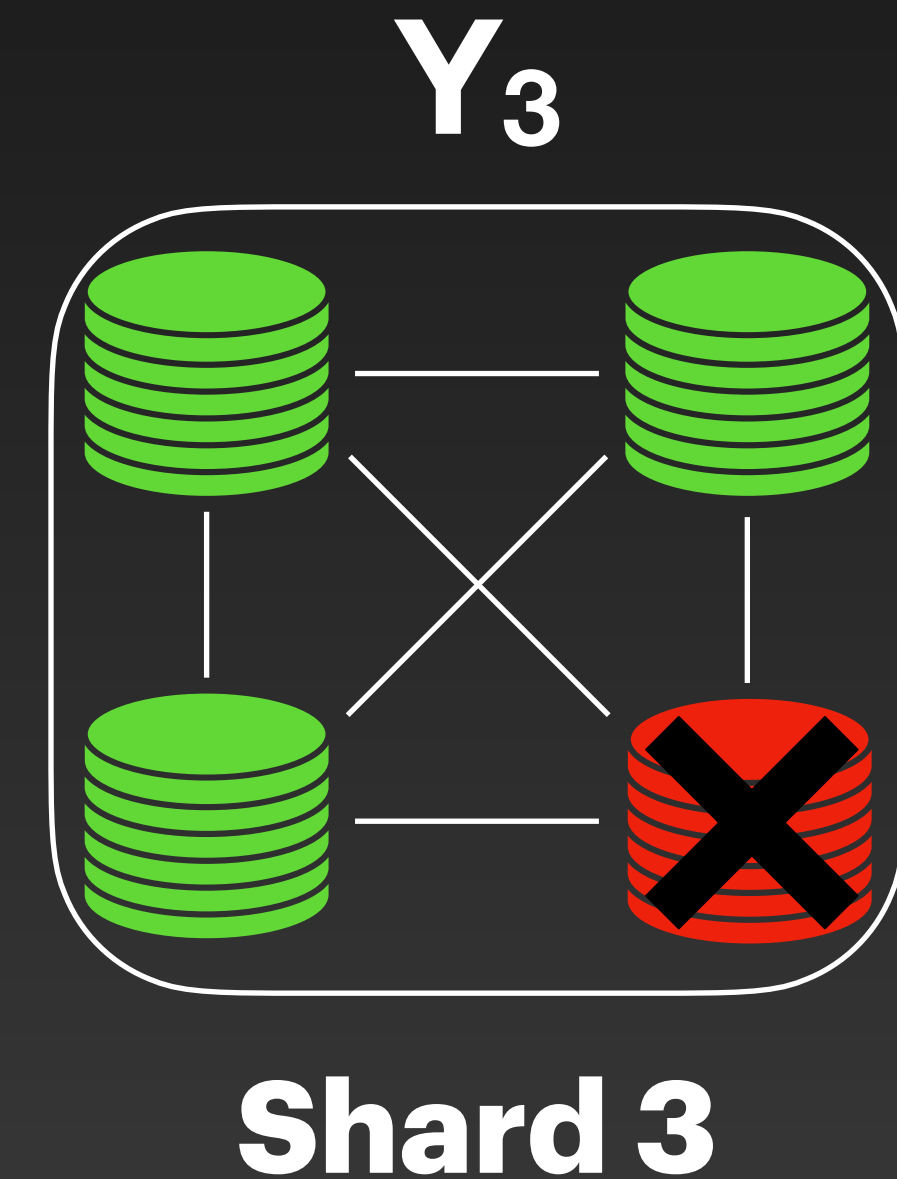
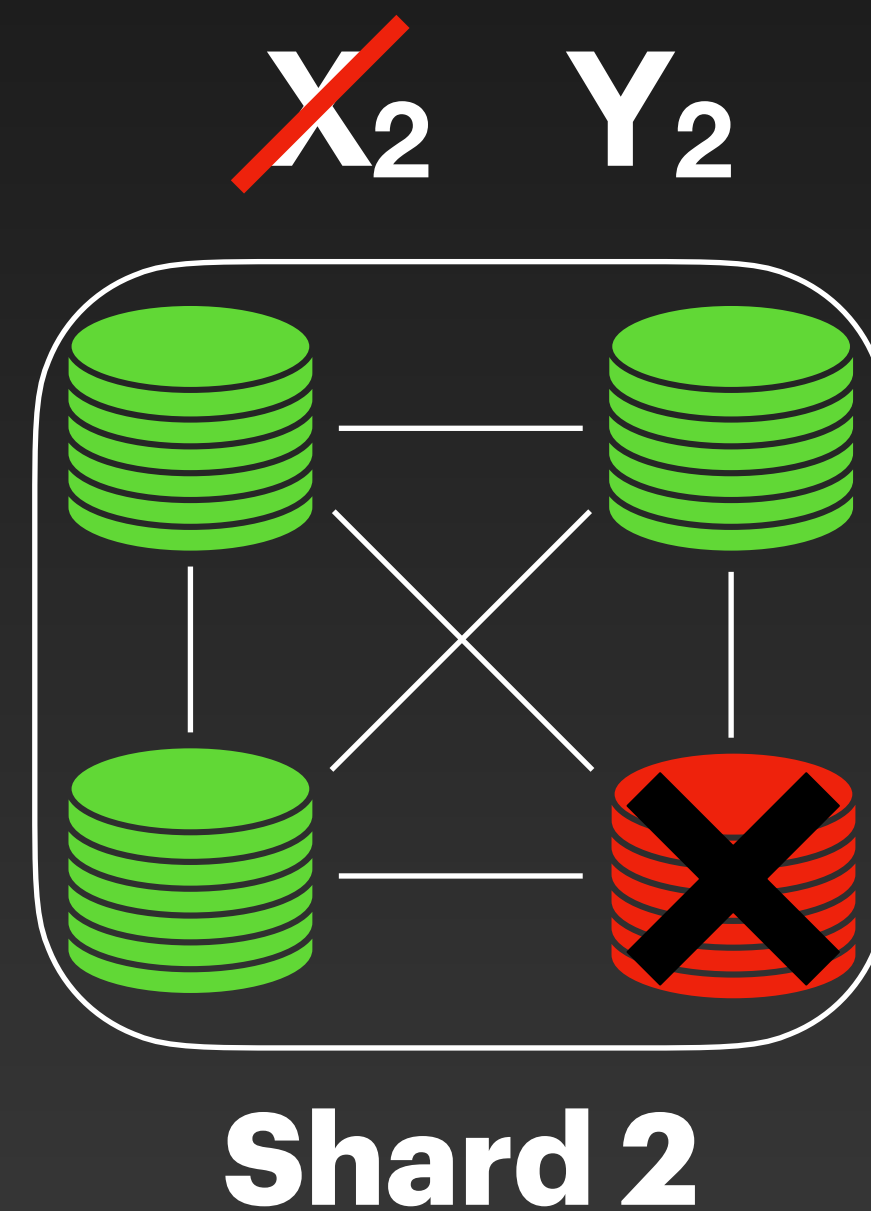
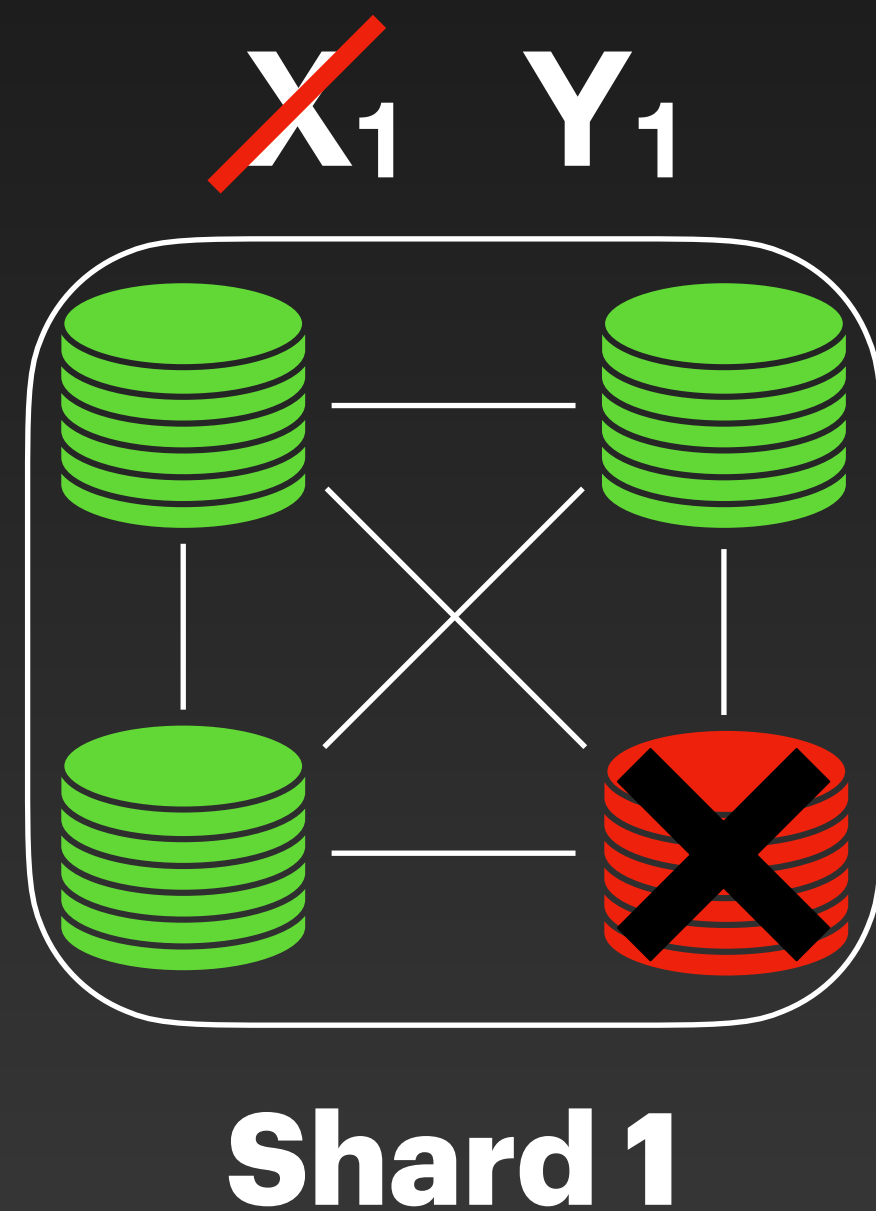
$$T(x_1, x_2) \rightarrow (y_1, y_2, y_3)$$



State Sharding

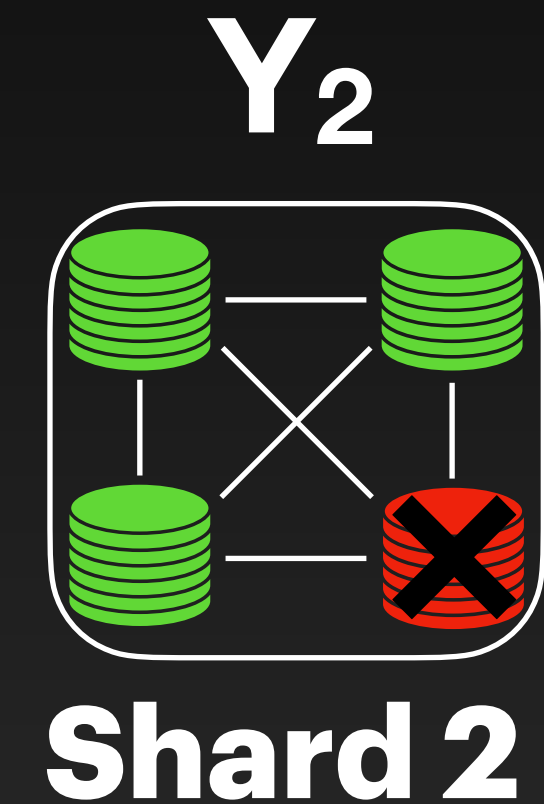
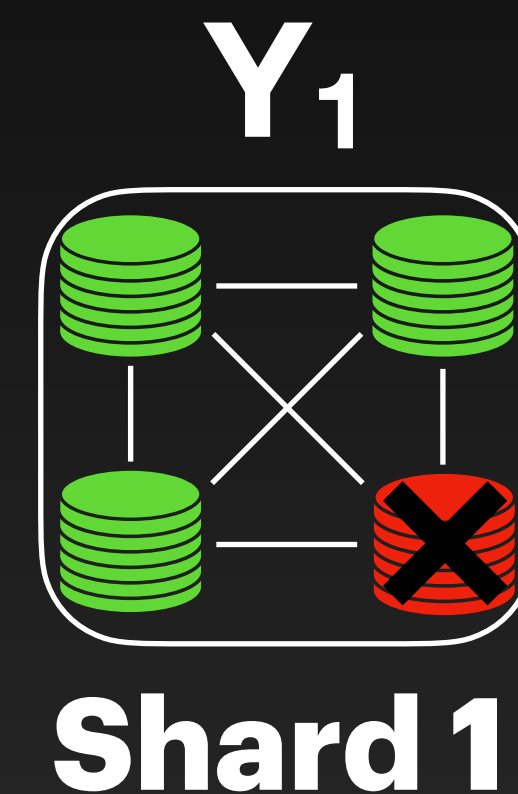
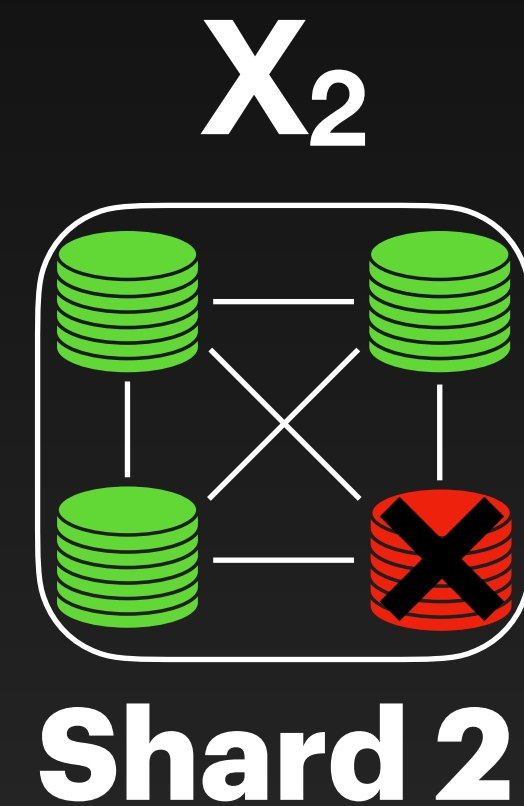
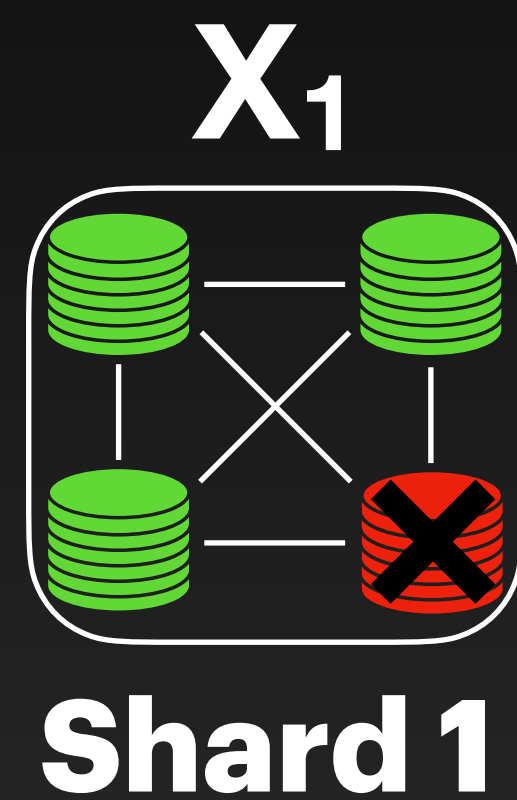
An example transaction

$$T(x_1, x_2) \rightarrow (y_1, y_2, y_3)$$



State Sharding

Only two acceptable final states



Cross-Shard Consensus

How do shards communicate with each other?

