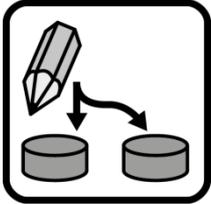
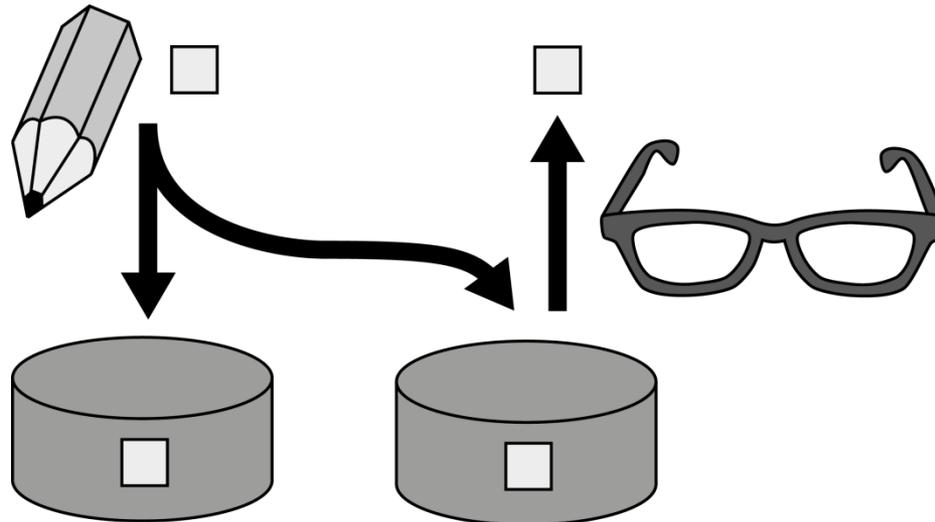


# Strict Consistency

Data is stored at different locations to improve response time and to avoid data loss in case of failures while consistency of replicas is ensured at all times.



*How can data be distributed among replicas to increase availability, while ensuring data consistency at all times?*



number of replicas ( $n$ ) = 2  
replicas accessed to write ( $w$ ) = 2  
replicas accessed to read ( $r$ ) = 1

$$n < w + r$$