

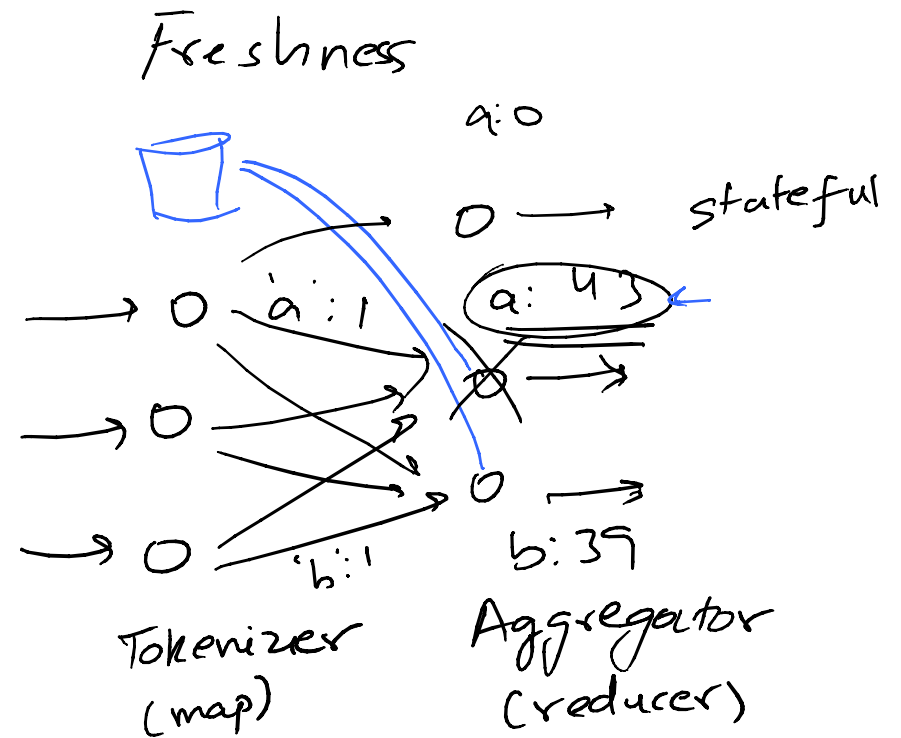
# Batch Computation

Note Title

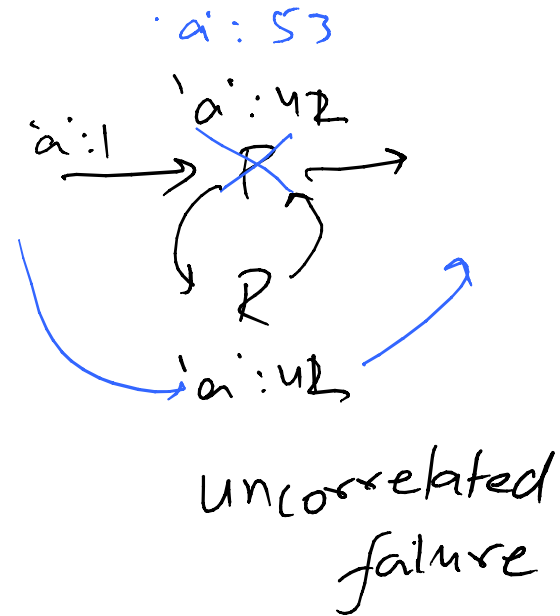
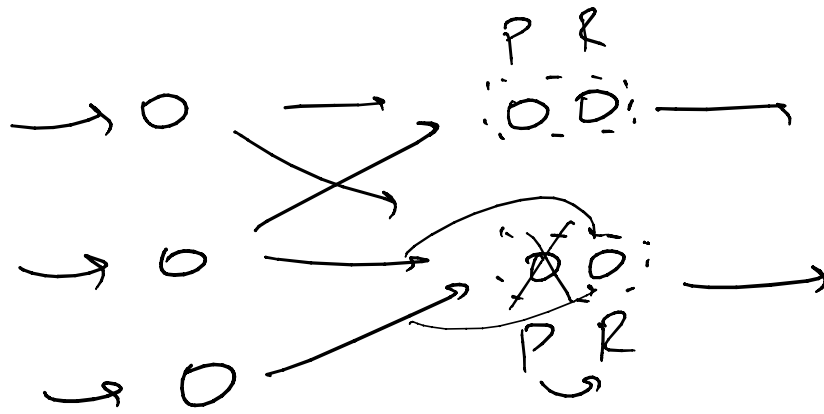
07-Dec-22

## Streaming computation

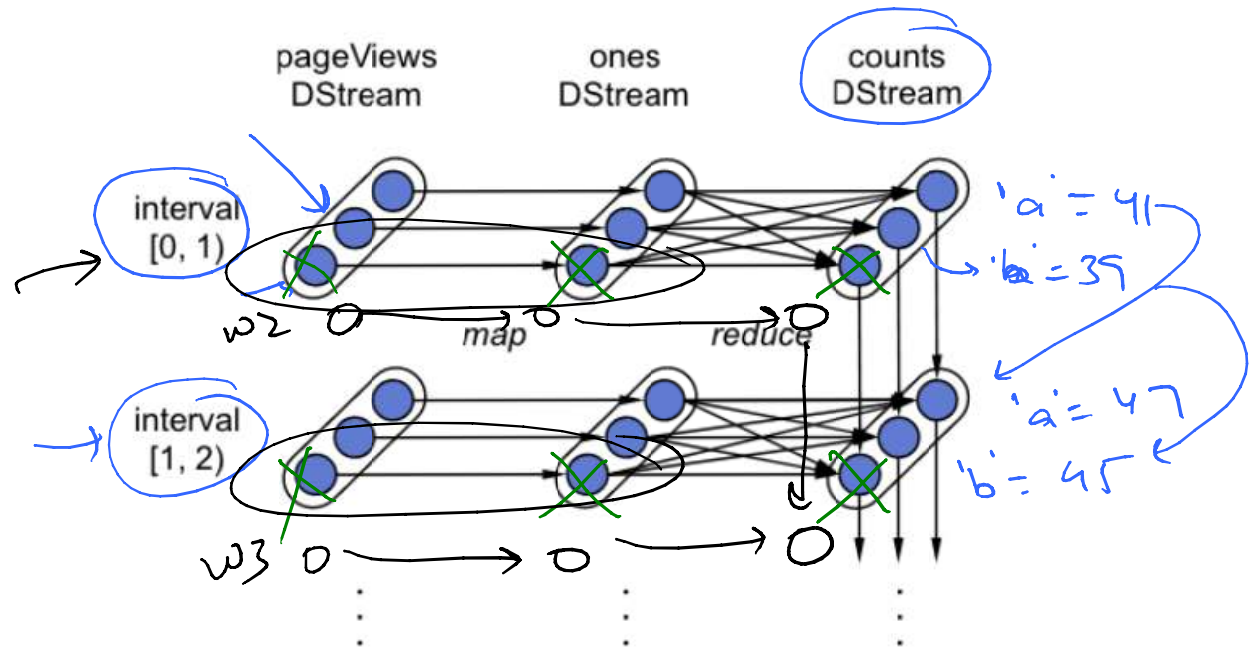
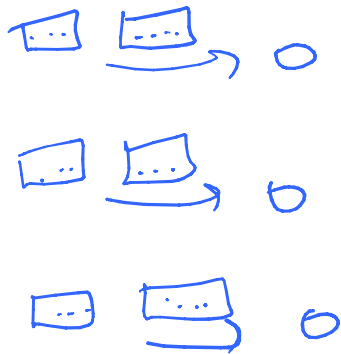
- Real time decision making
- Live analytics



# Replicated state machines

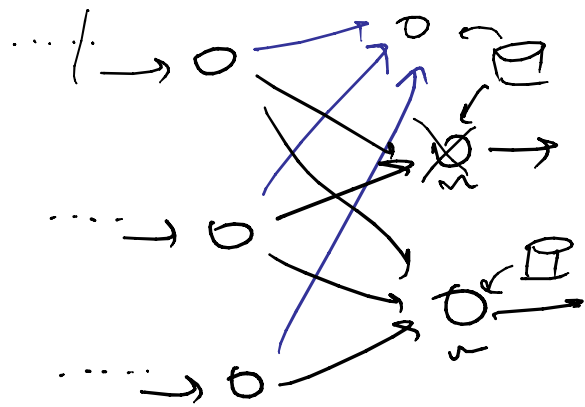


# Spark streaming

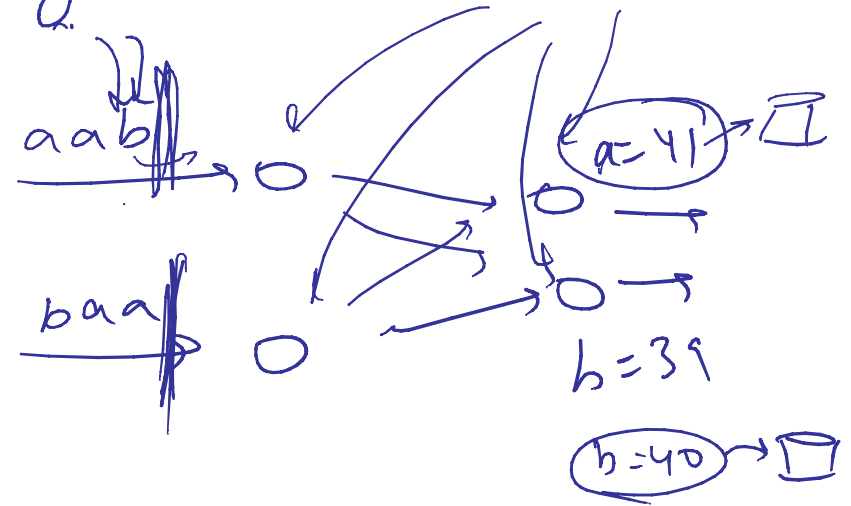


**Figure 3: Lineage graph for RDDs in the view count program. Each oval is an RDD, with partitions shown as circles. Each sequence of RDDs is a D-Stream.**

# Checkpoints



# Synchronous Global checkpoint



Flink

# Chandy-Lamport Algo

