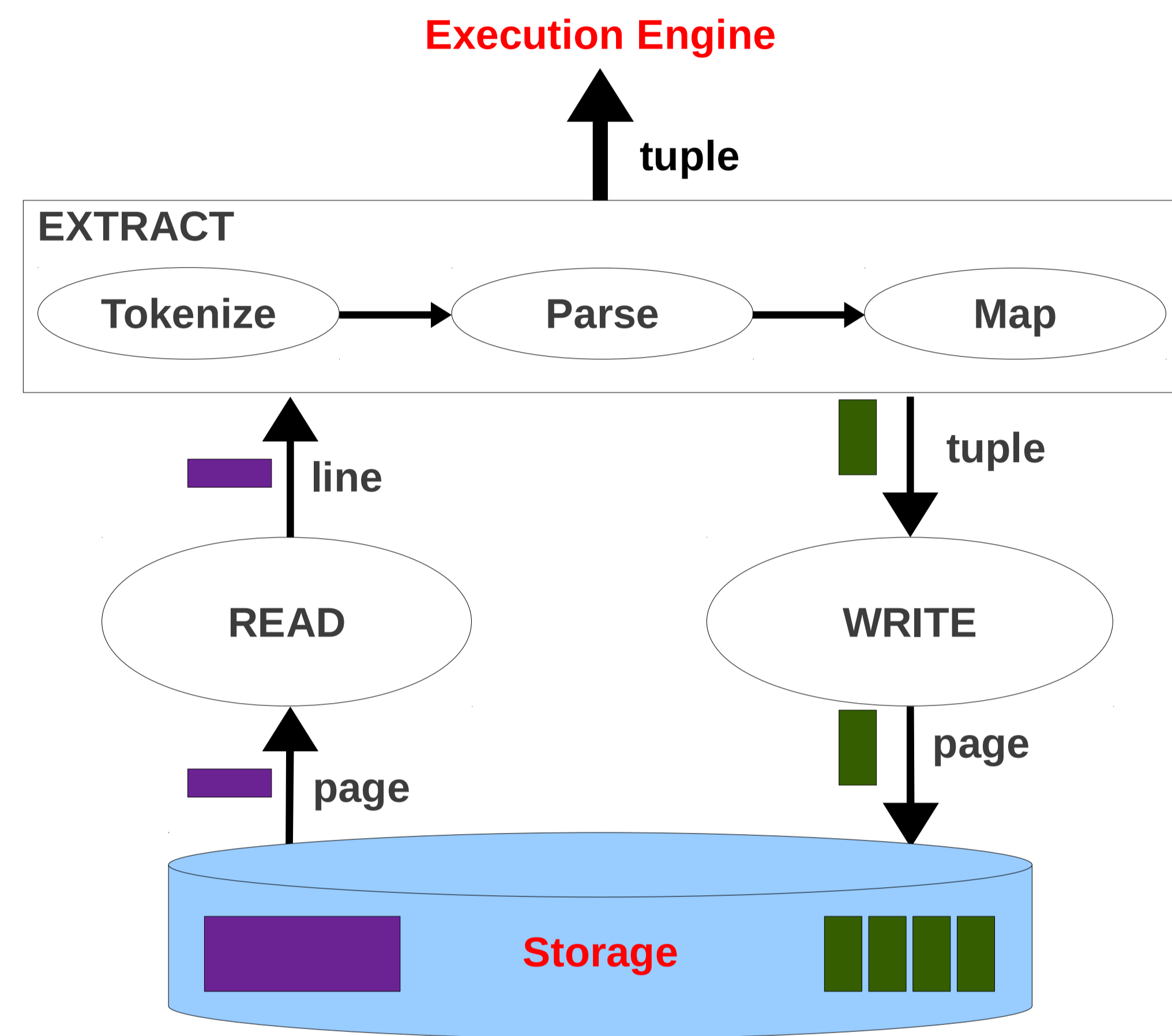
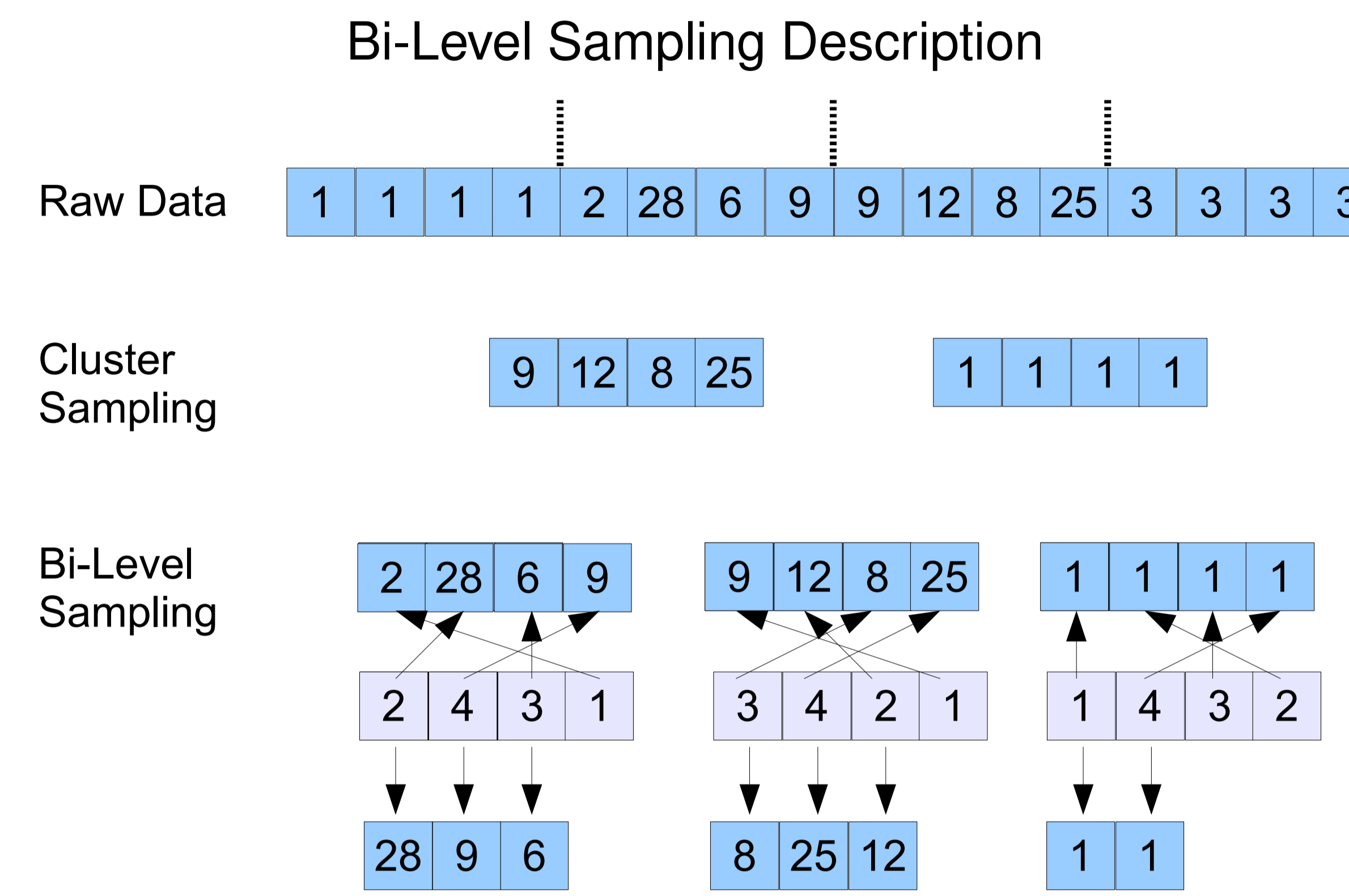




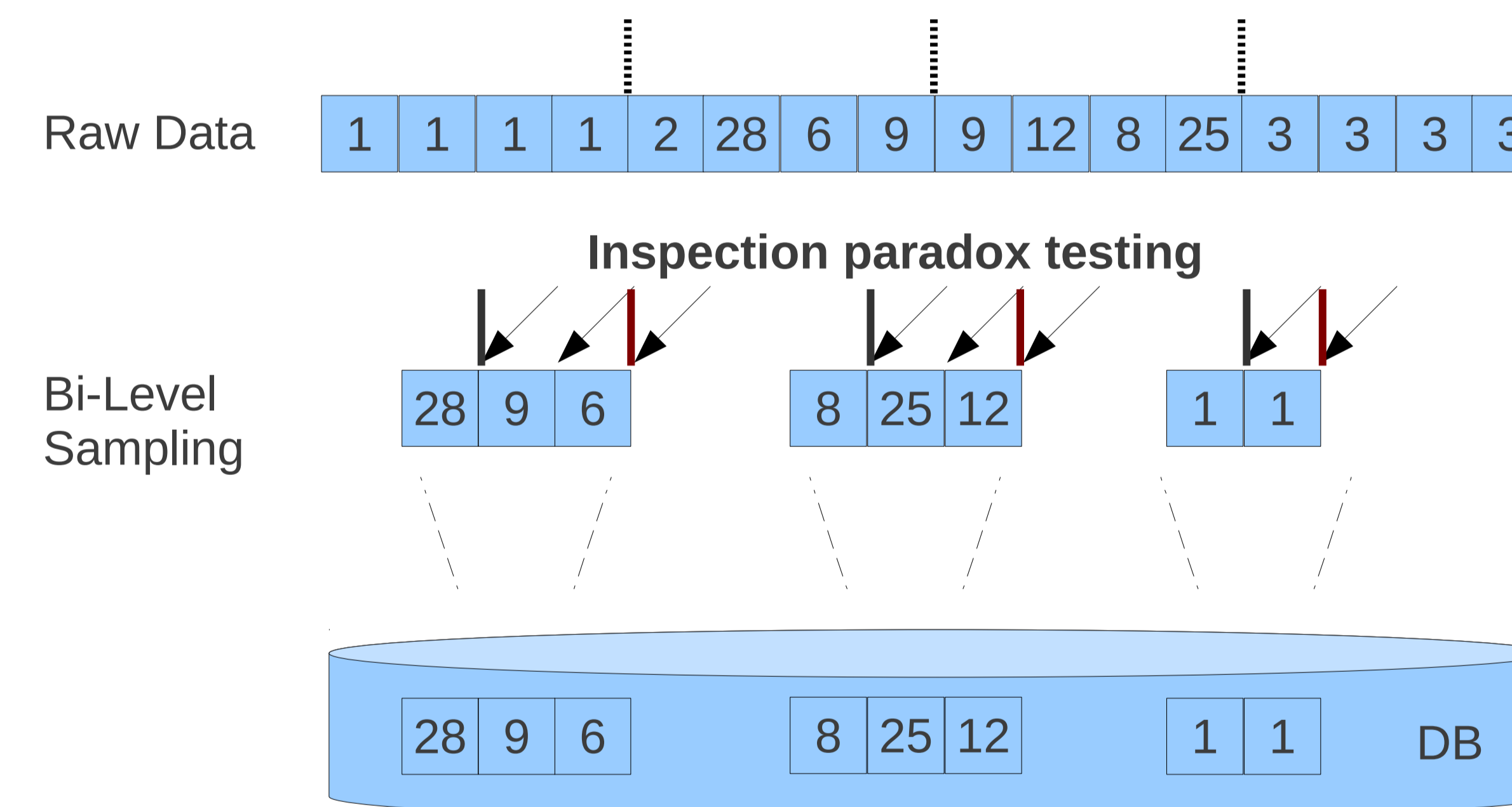
Query Processing over Raw Data



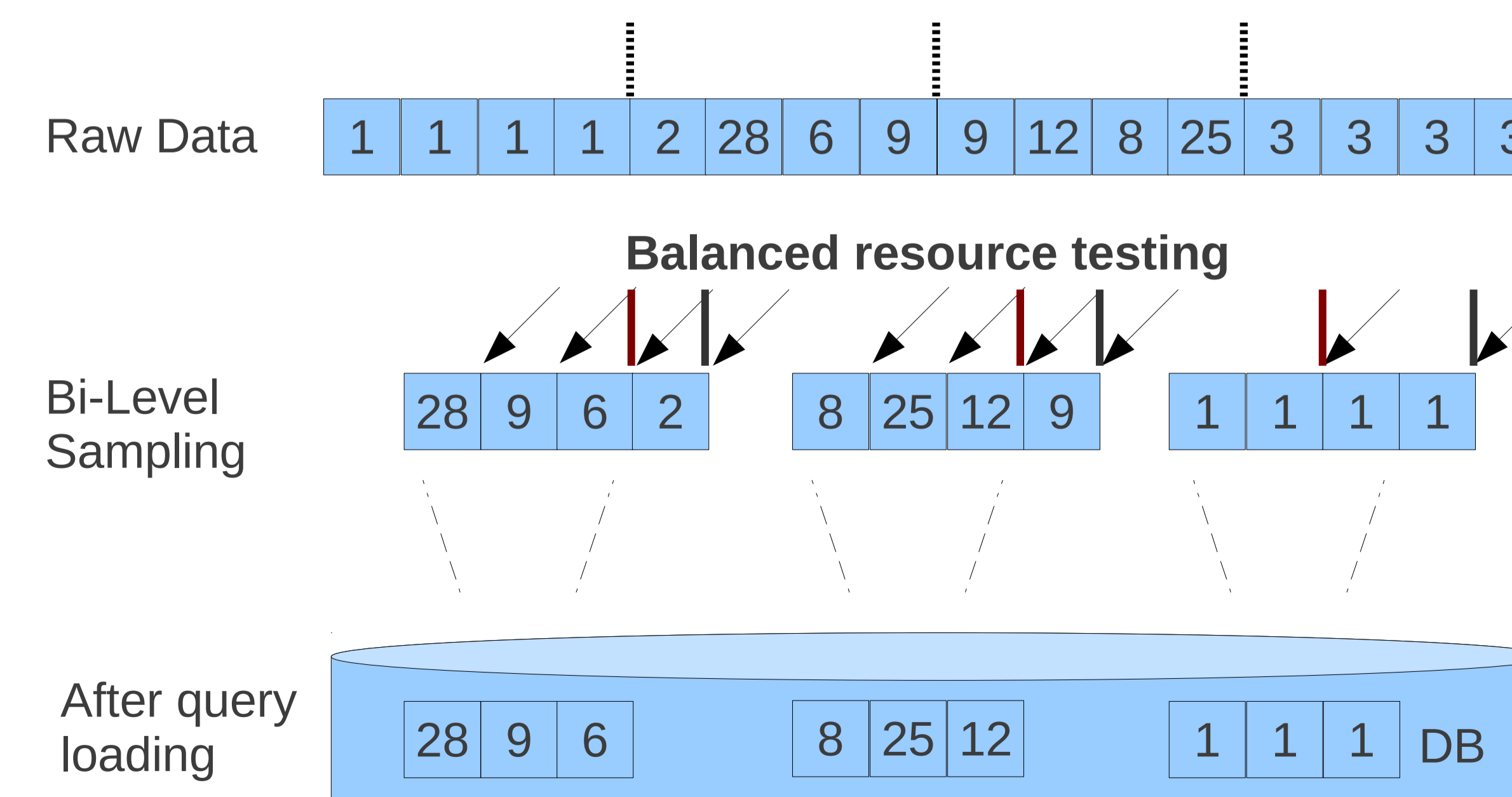
Bi-Level Sampling



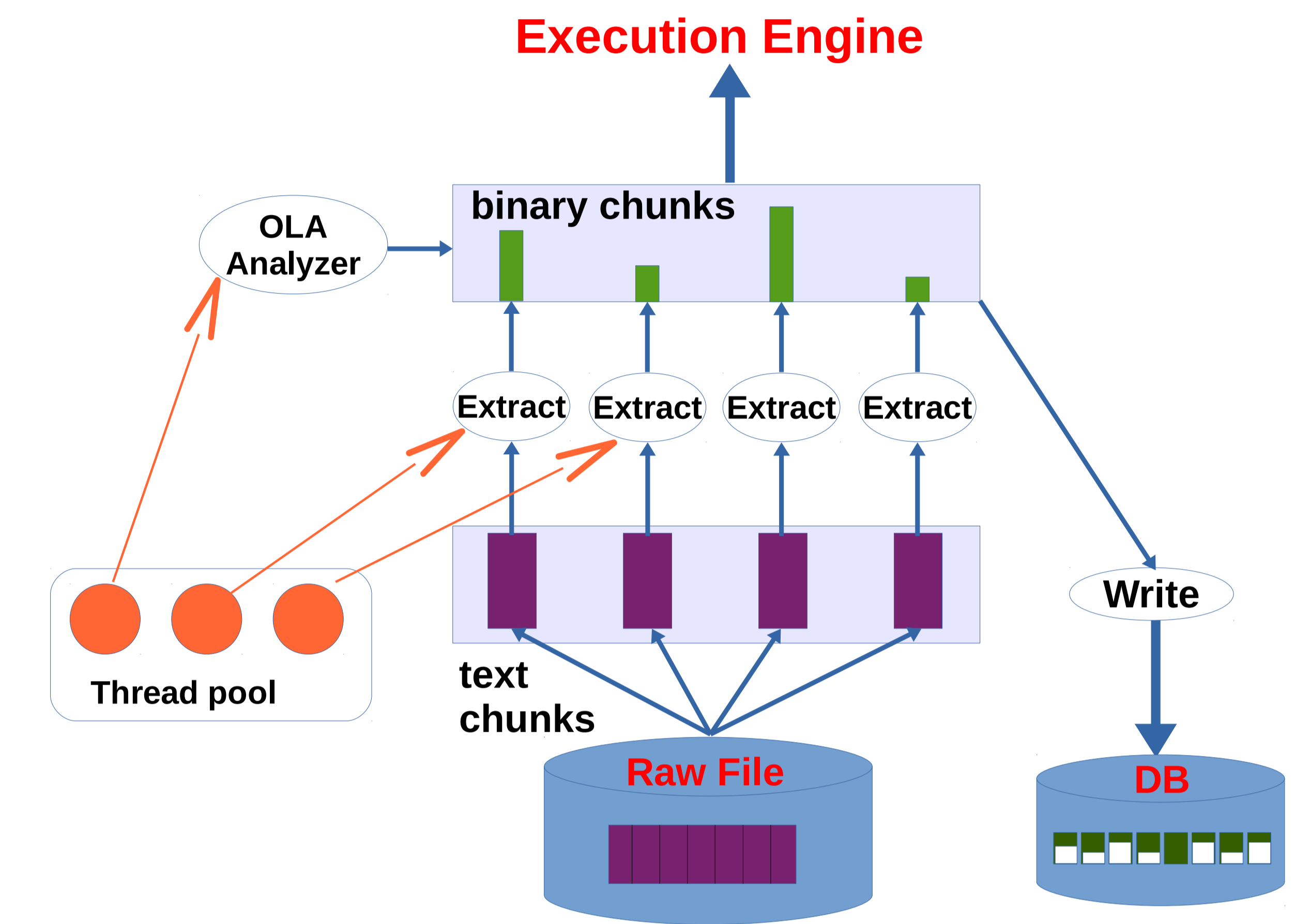
Bi-Level Sampling Workflow for CPU-Bound Query



Bi-Level Sampling Workflow for I/O-Bound Query

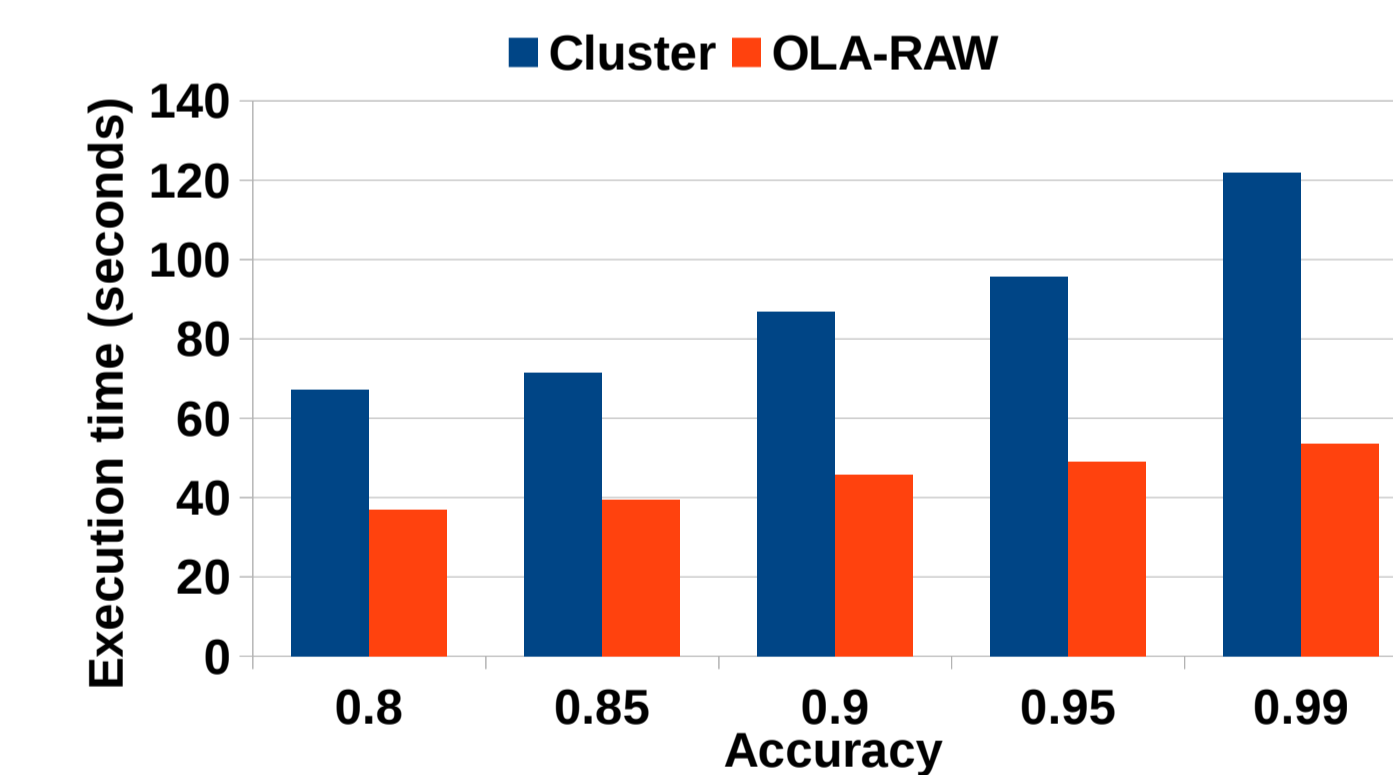
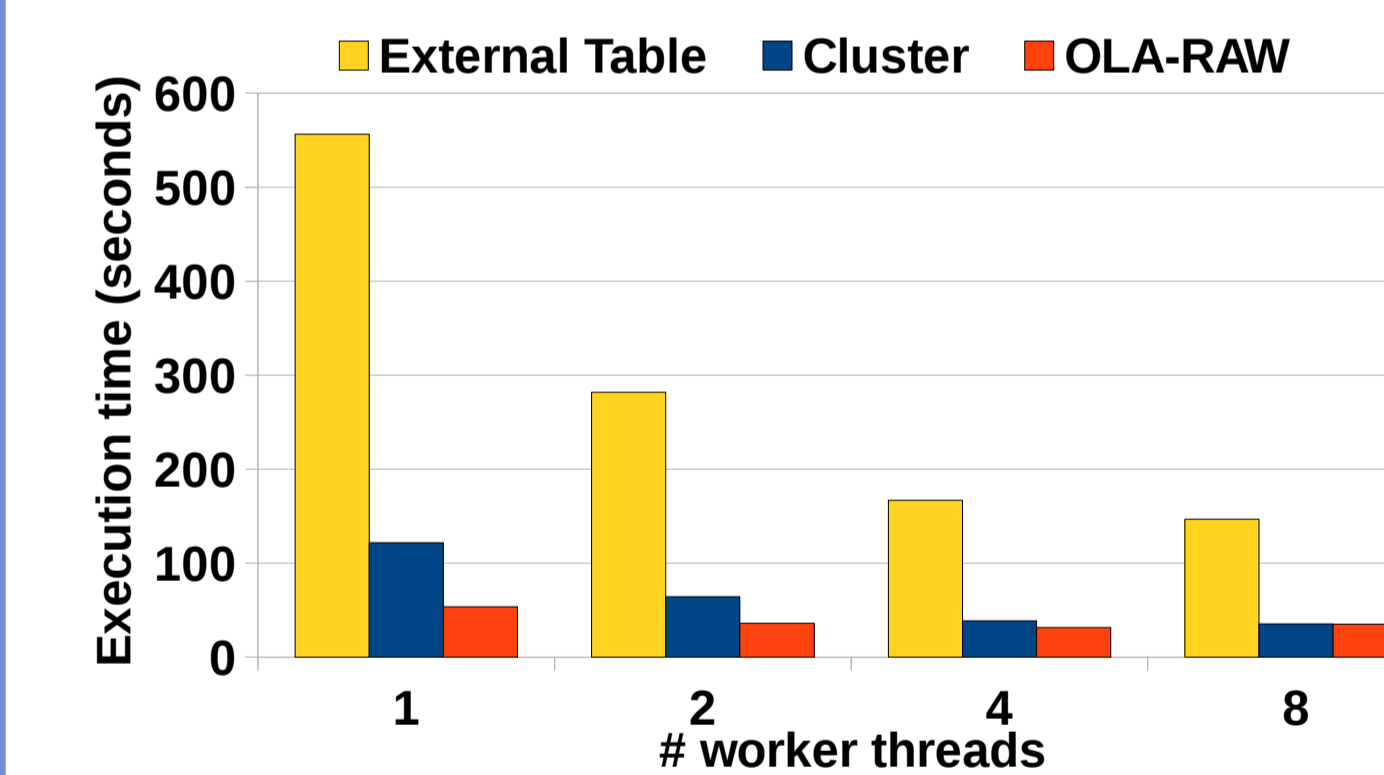


OLA-RAW Architecture

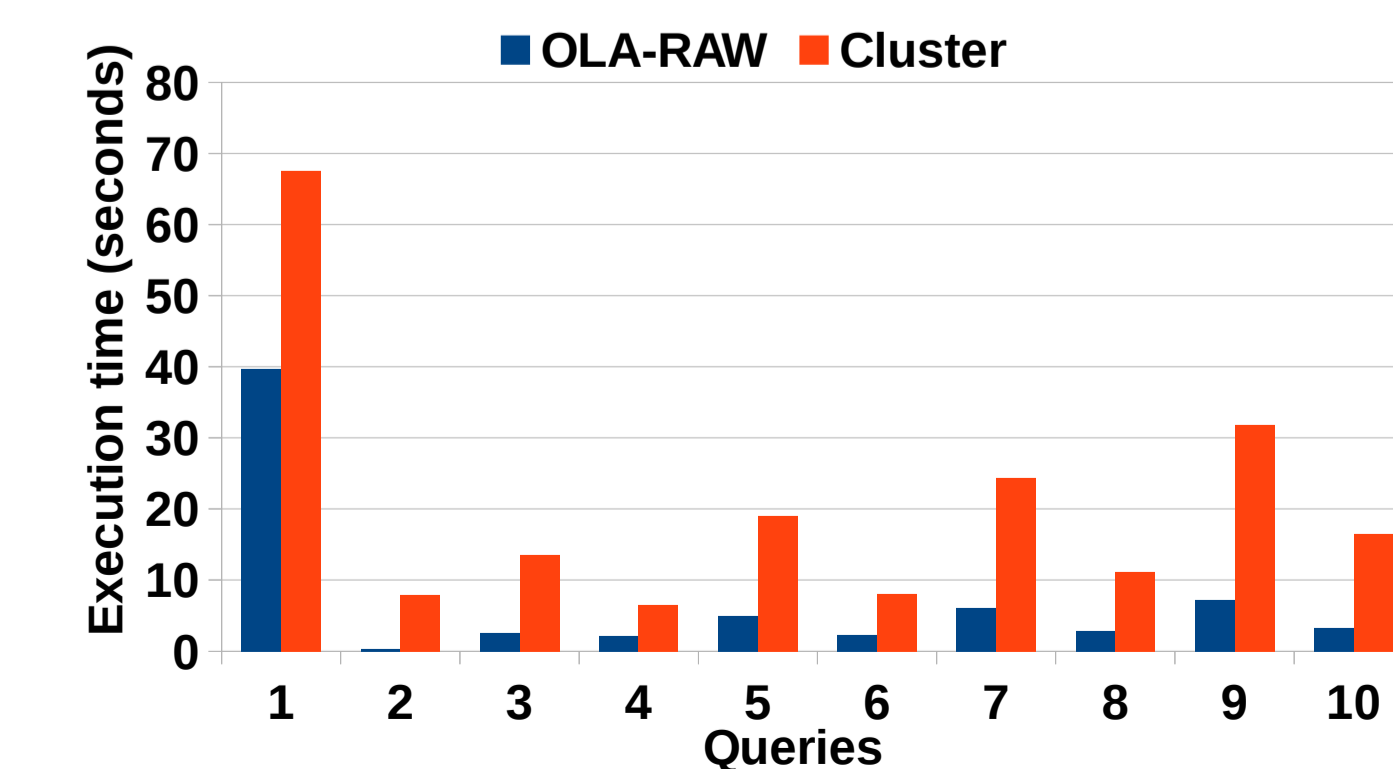
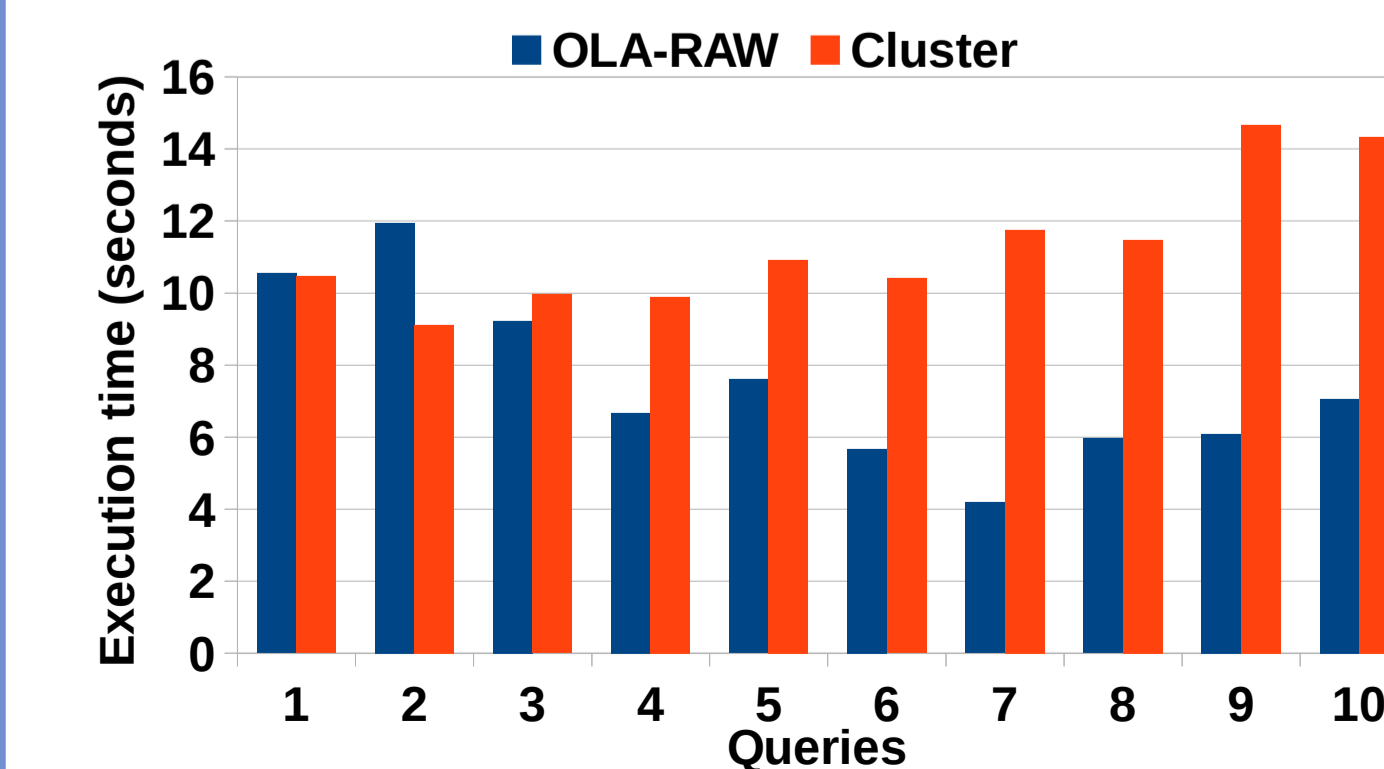
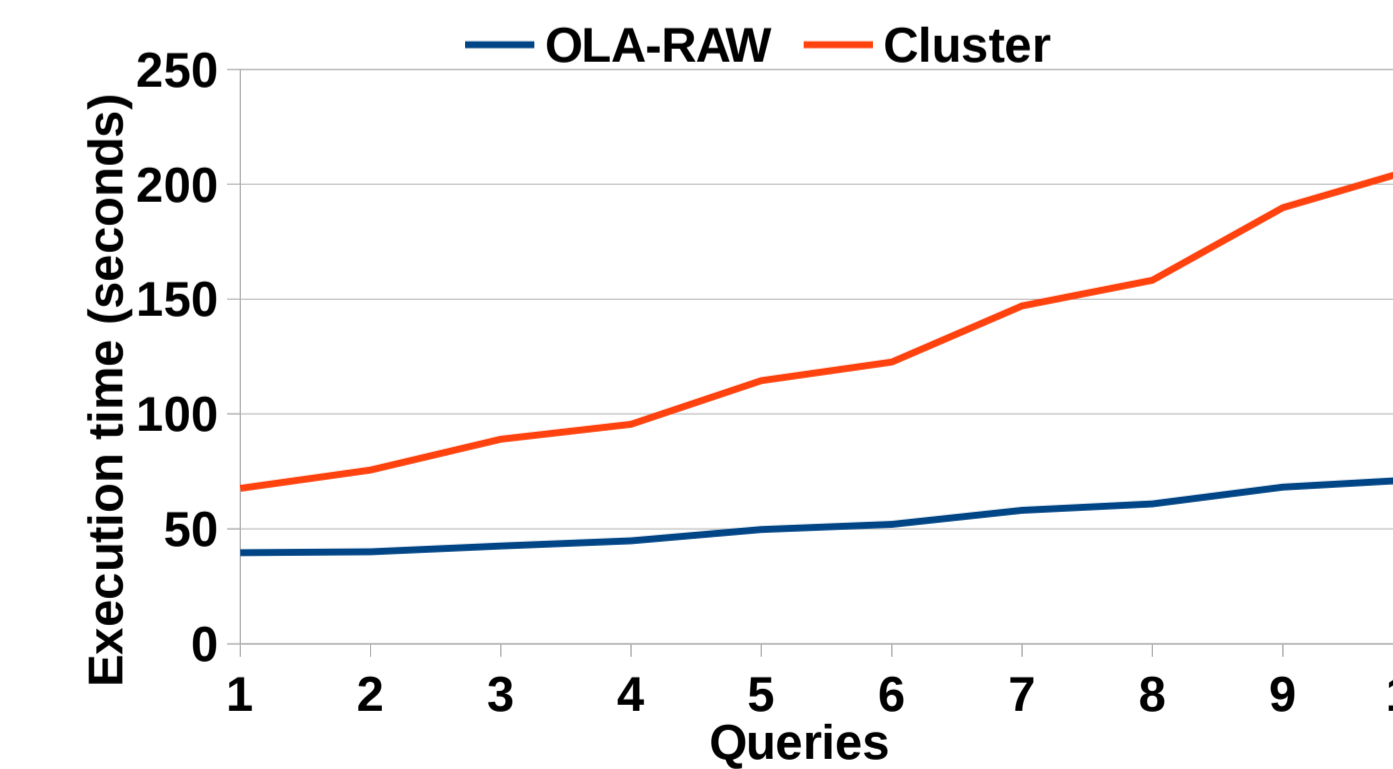
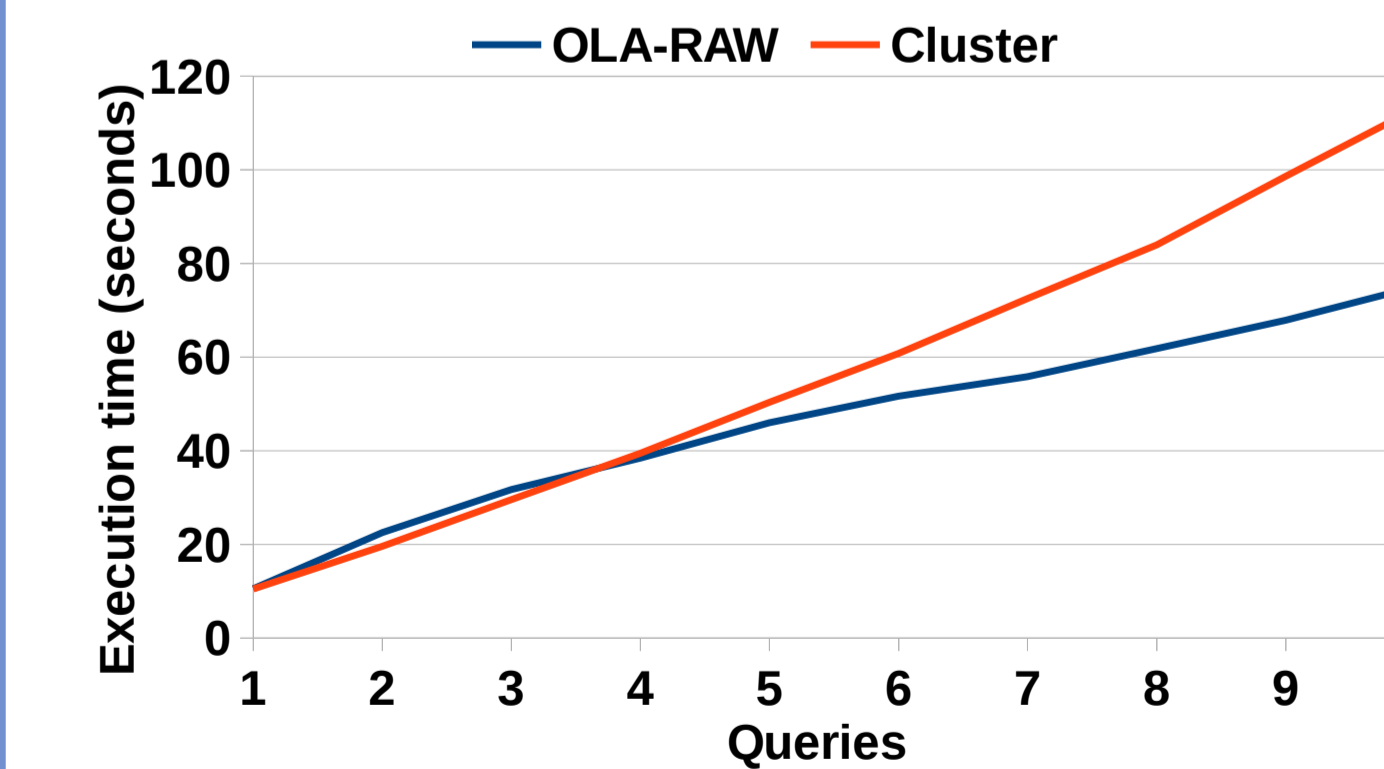


Experiments

SELECT SUM(expr) FROM FILE WHERE accuracy $\geq \alpha$



Experiments on a sequence of queries



Online Aggregation

