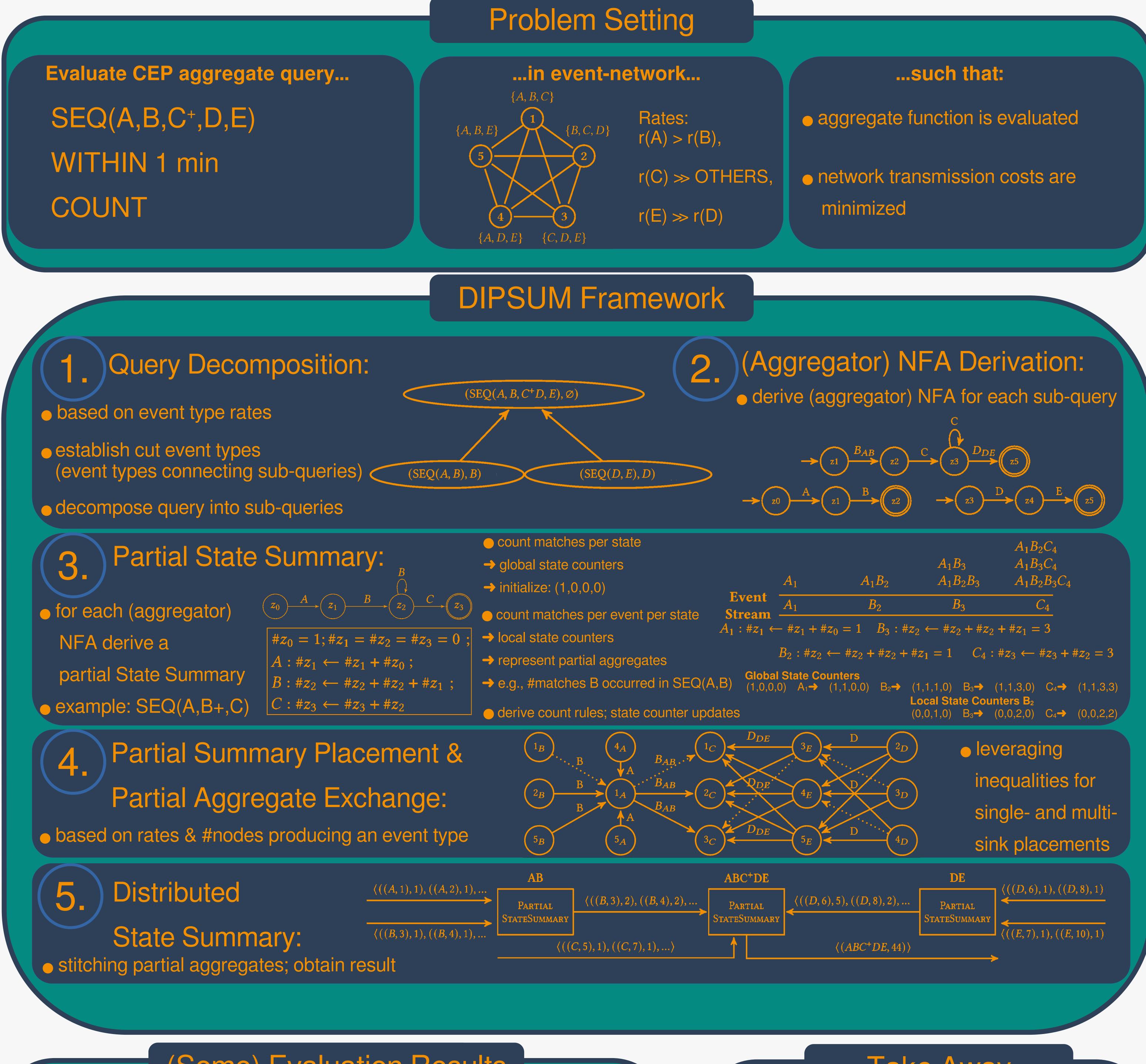
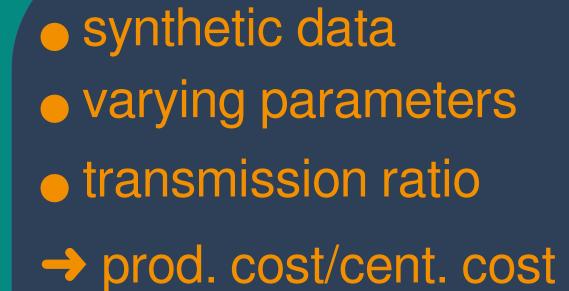
DIPSUM: Distributed Pattern Summaries for Efficient CEP Aggregates

Steven Purtzel¹, Samira Akili², Marc Sebastian Kühne¹, and Matthias Weidlich¹ Humboldt-Universität zu Berlin¹ & BIFOLD, TU Berlin²

purtzesc@hu-berlin.de

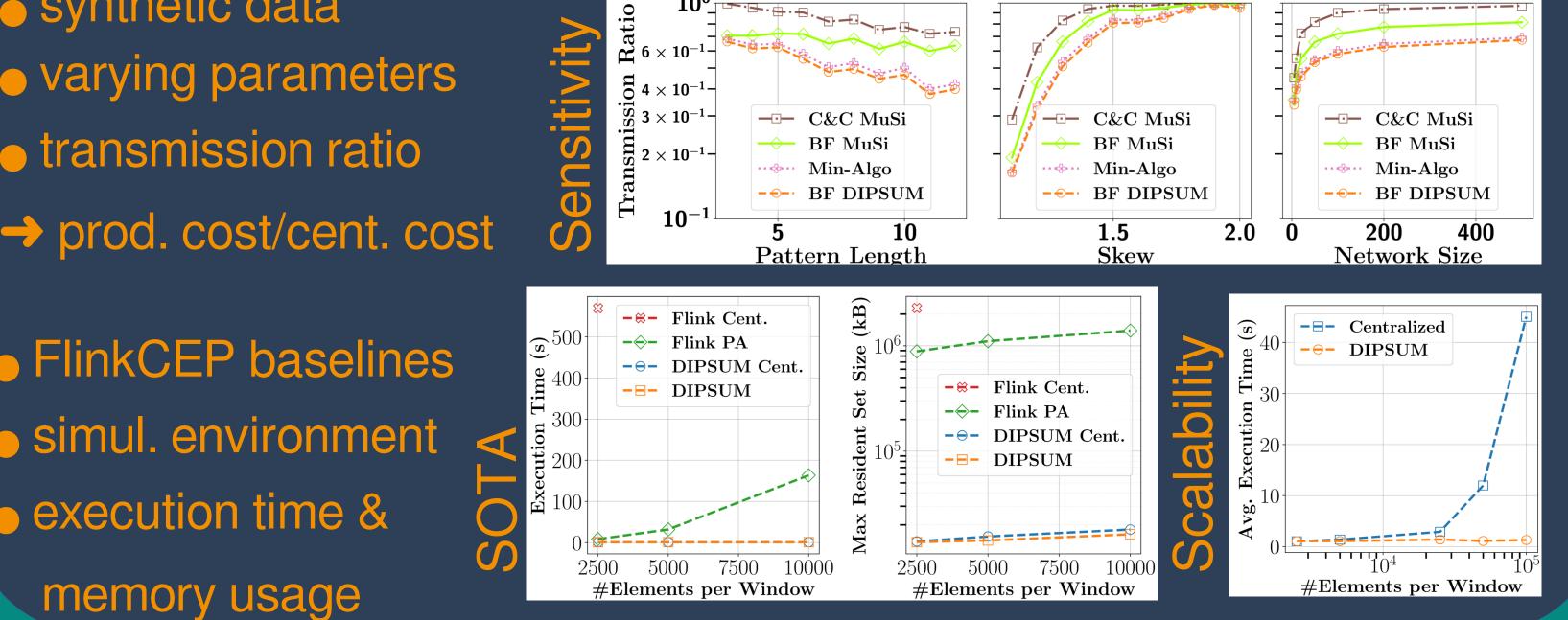


(Some) Evaluation Results



• execution time &

memory usage



Take Away

 DIPSUM plans decompose queries into sub-queries, derive and place pattern summaries, and **coordinate** partial aggregate exchange

 DIPSUM improves transmission costs, execution times, throughput, and memory

usage by multiple orders of magnitude

