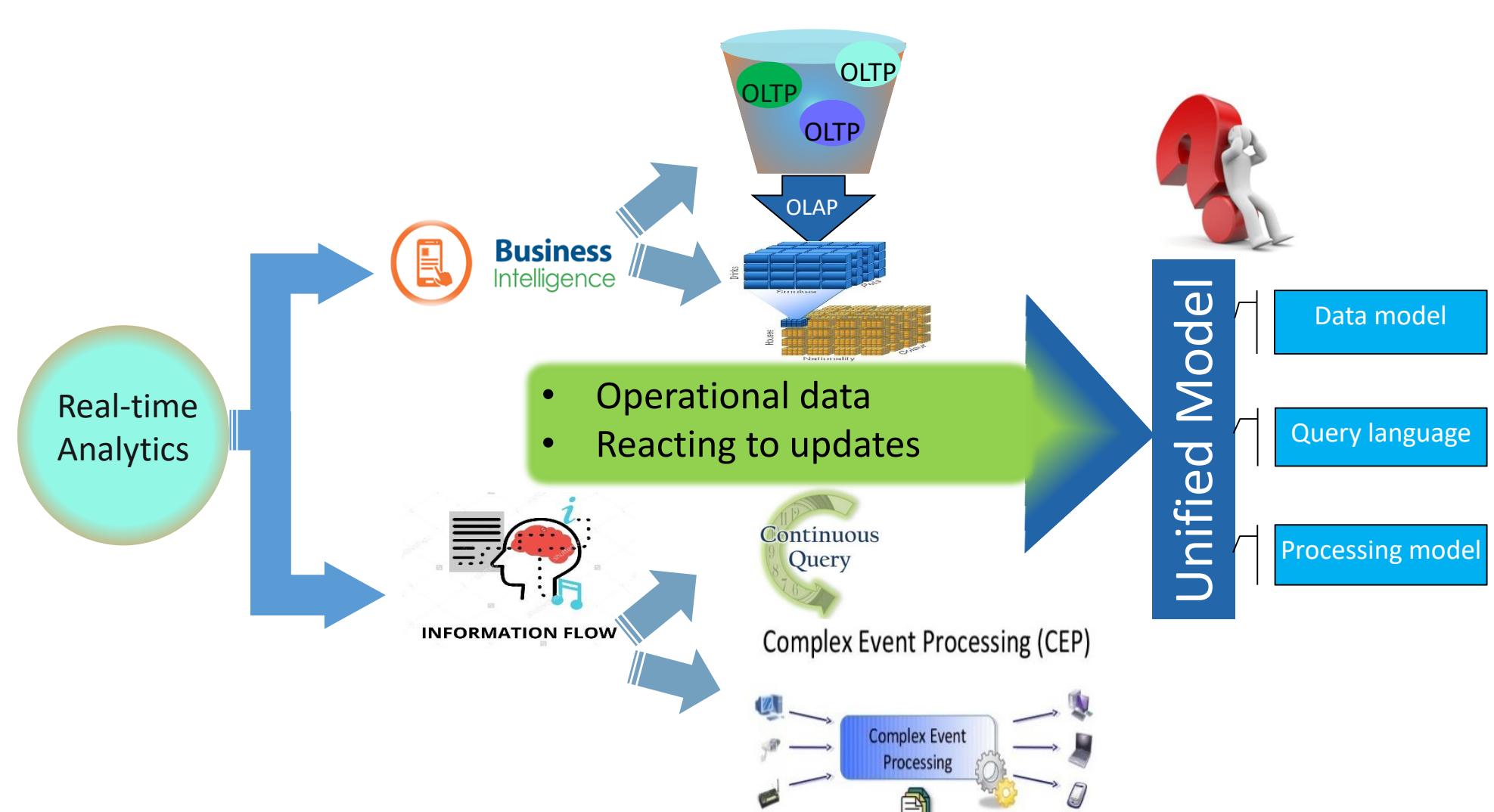
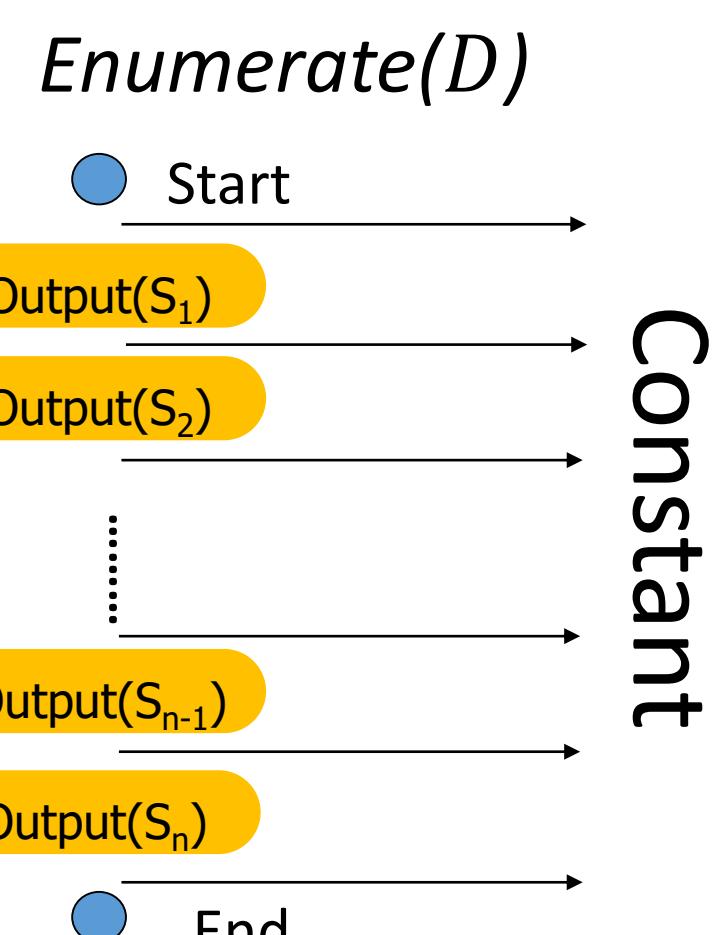


Motivation

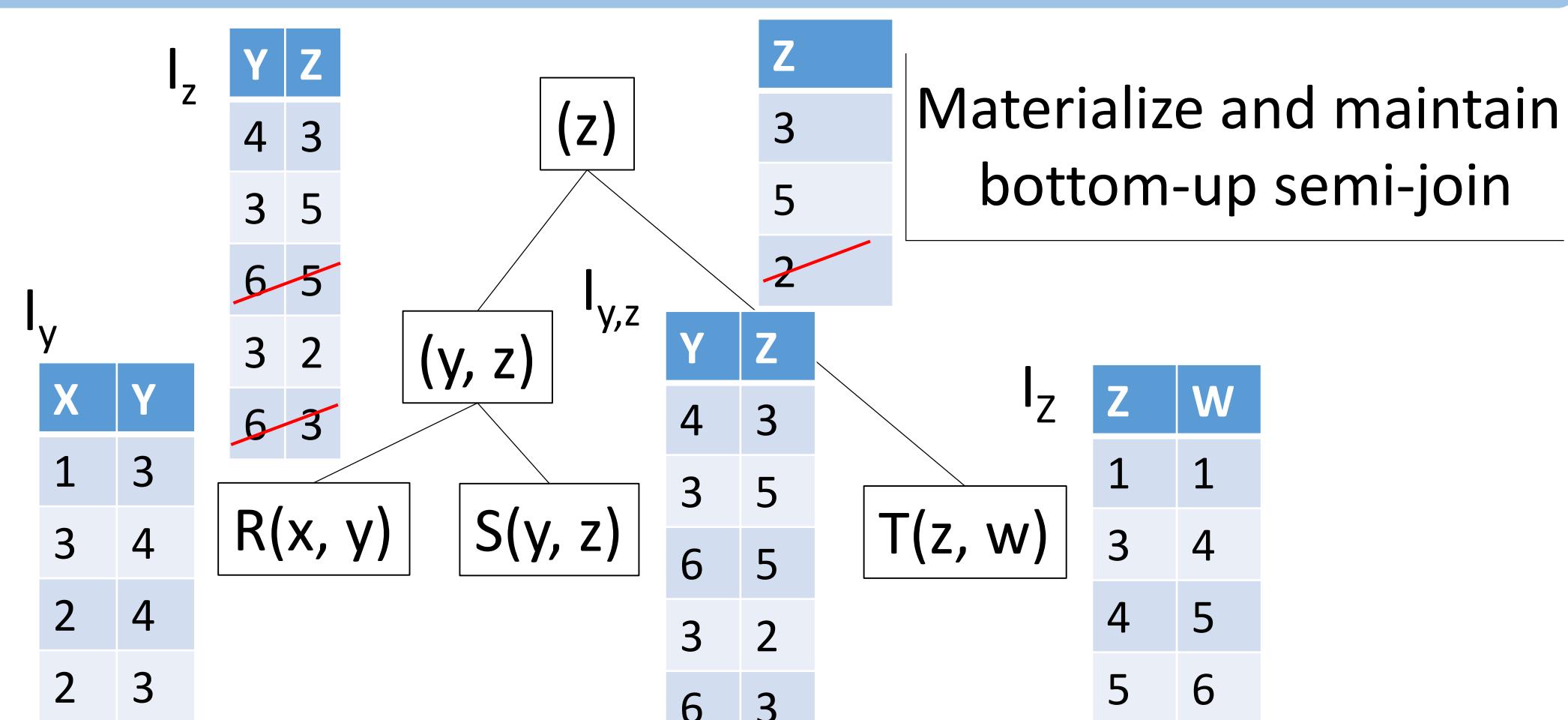


Our approach

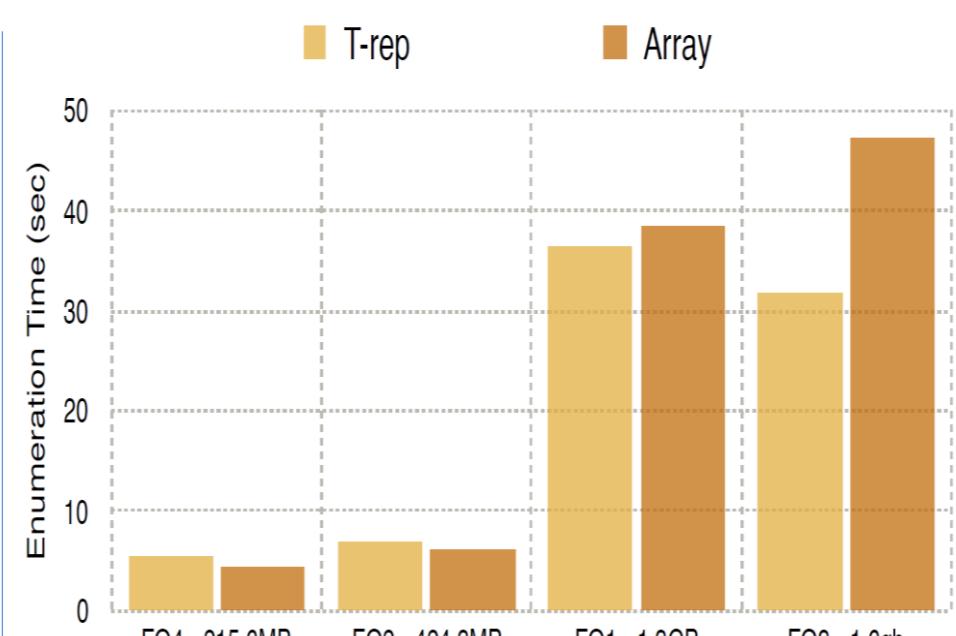
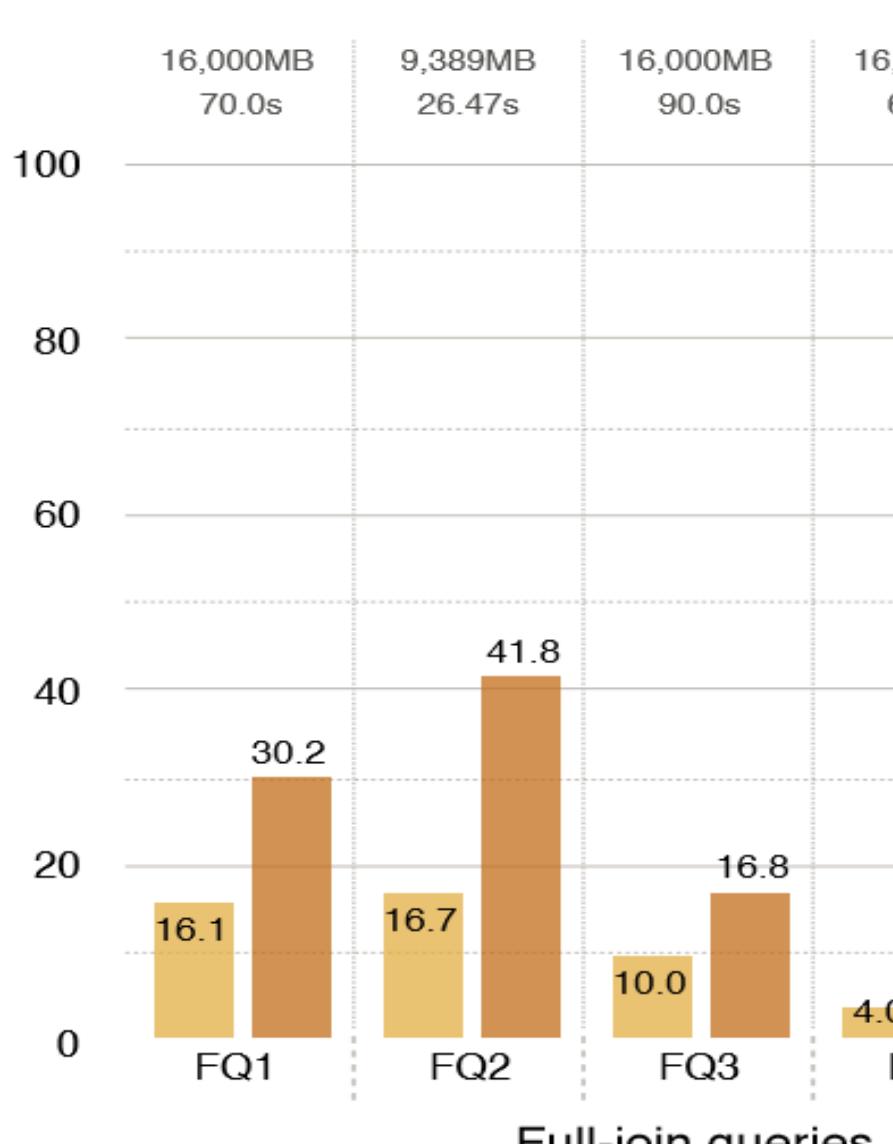
- Give up on full materialization of (sub) results
- Instead: maintain a data structure D of size $O(|DB|)$
- $Q(DB)$ can be generated with constant delay from D (independent of $|D|, |DB|, |Q(DB)|$)
- D can be efficiently maintained under updates



Dynamic Yannakakis

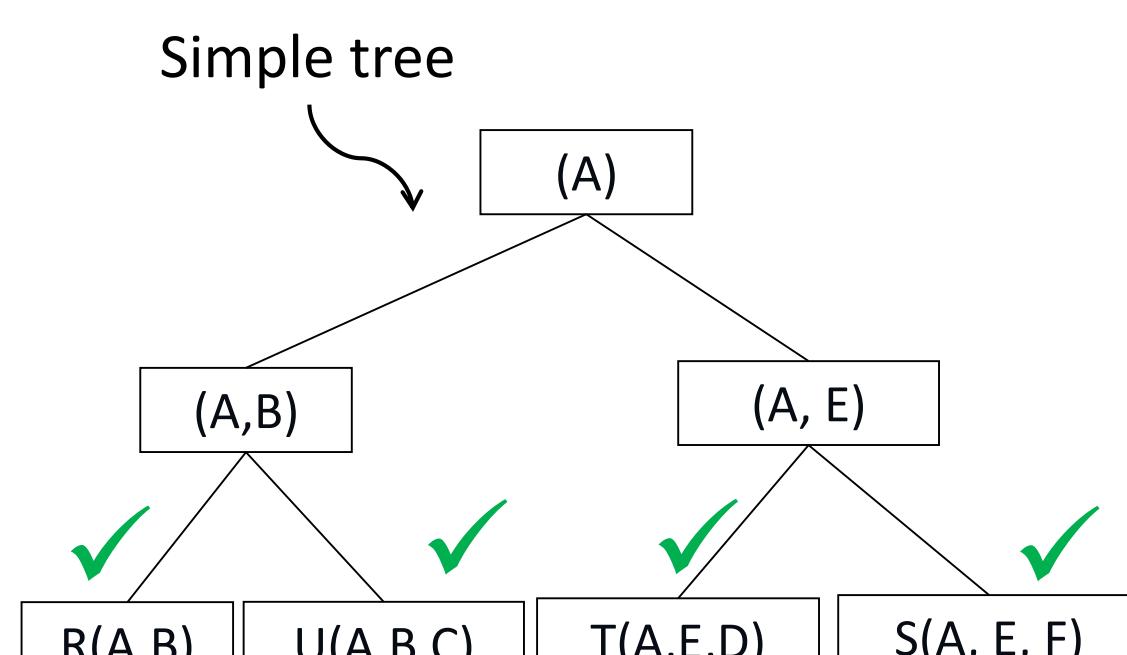


% Memory Consumption

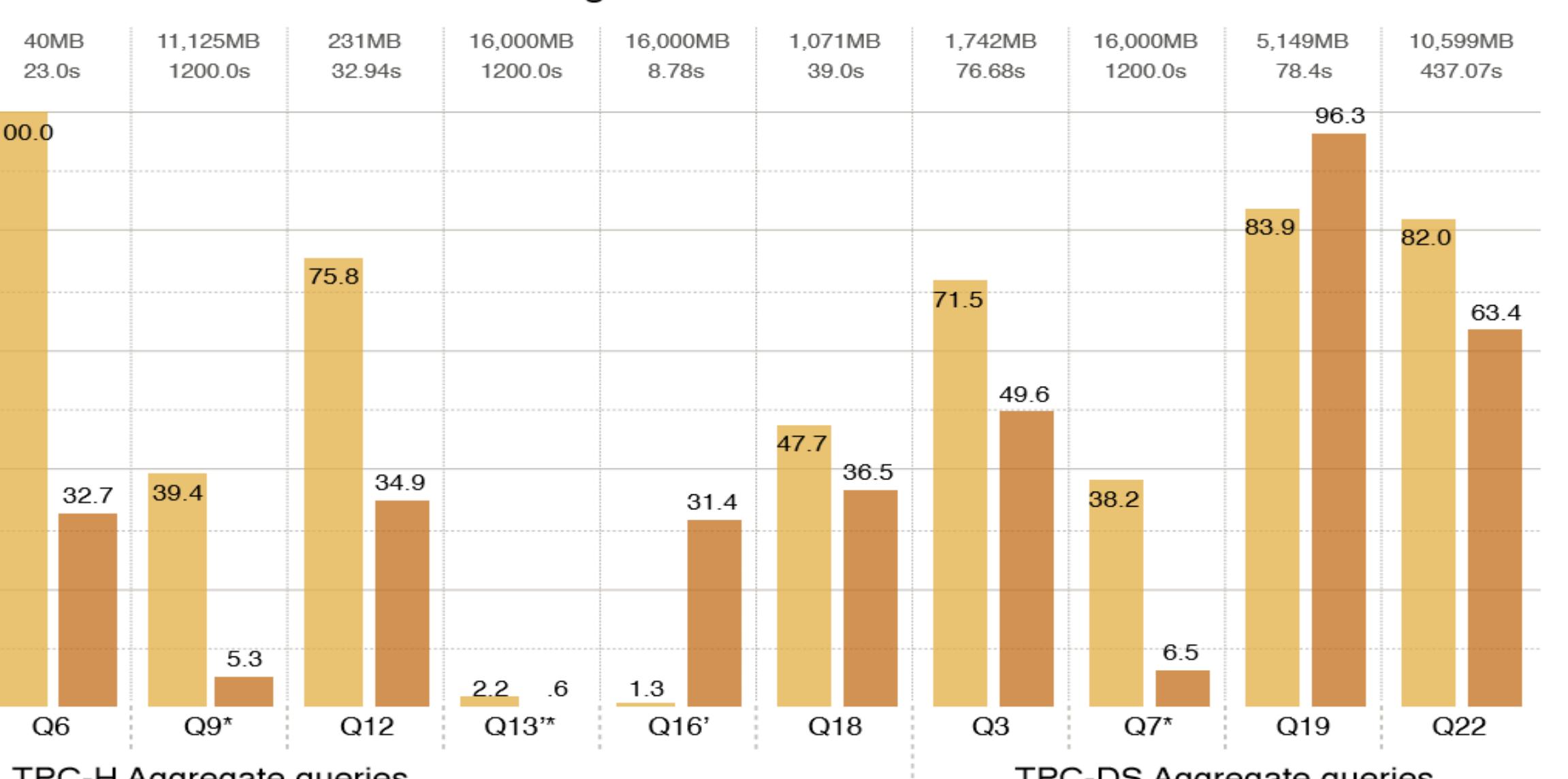


Query Planning | Enumeration

How fast are single tuple updates?



% Processing Time



* DBToaster processing time > 20 minutes