► Huawei query workload

Effectiveness of Bounded Evaluation

Query Type	Query Number	Original Complexity	Accelerate Ratio
Bounded query without join	2	Low	Medium
Simple aggregate query without join	2	Low	Medium
Join on key attributes	4	Medium	Low
Join on non-key attributes	3	High	High
Unbounded Query	2	-	-

▶ Performance comparison with DBMS

	Bounded non-join	Aggregate non-join	Join on Key	Join on non-key
Query count:	2	2	4	2
PostgreSQL:	1.58 sec	7.53 sec	629.96 sec	> 3 hours
BEAS:	0.01 sec	0.02 sec	15.14 sec	0.04 sec
Accelerate ratio:	158	376.5	41.61	$> 10^5$

highly problematic for DBMS

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