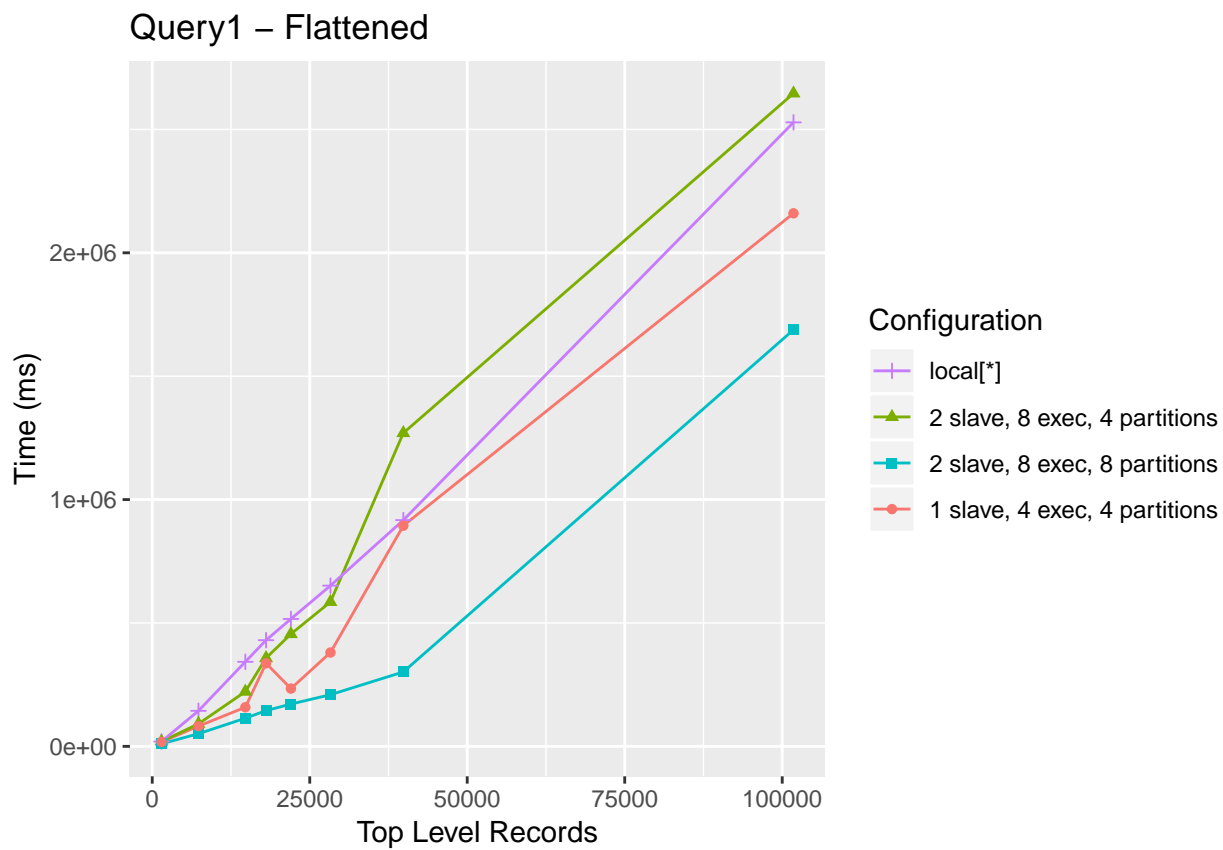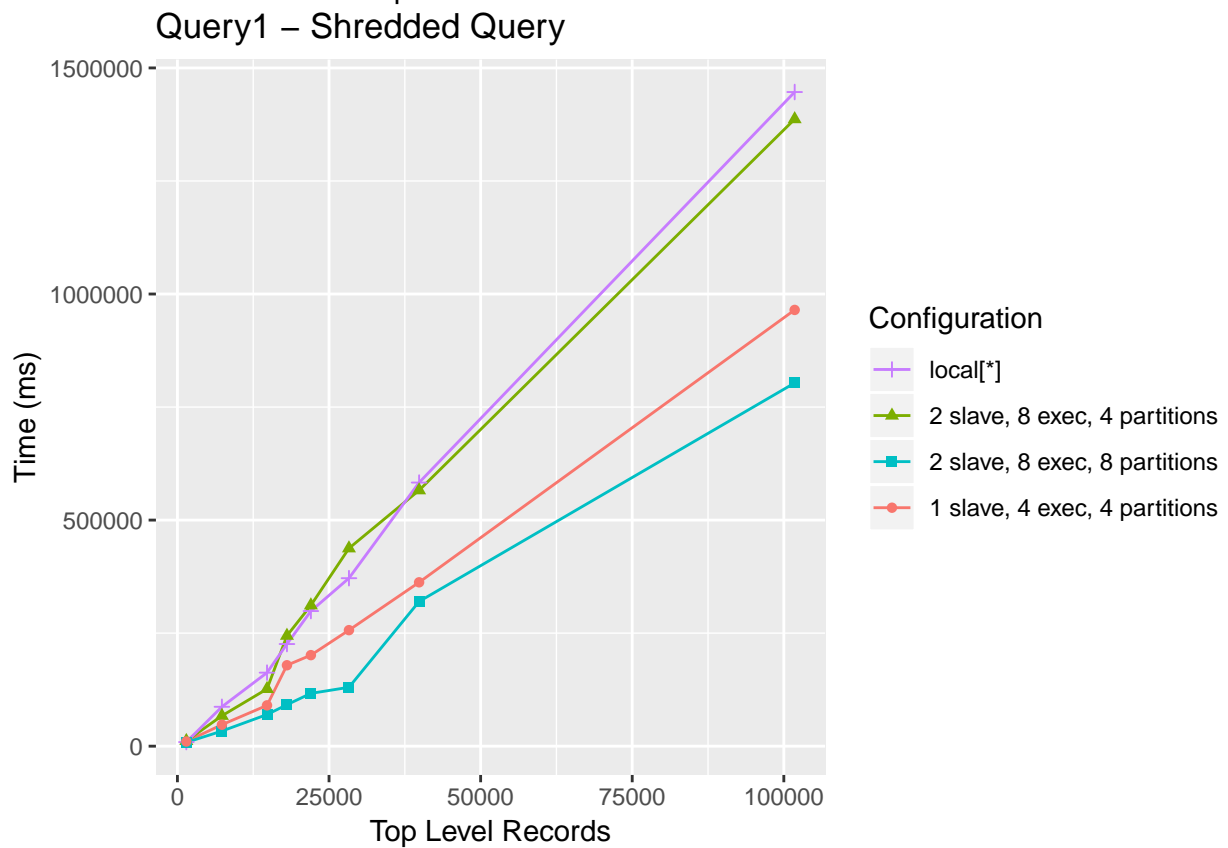# cluster configurations
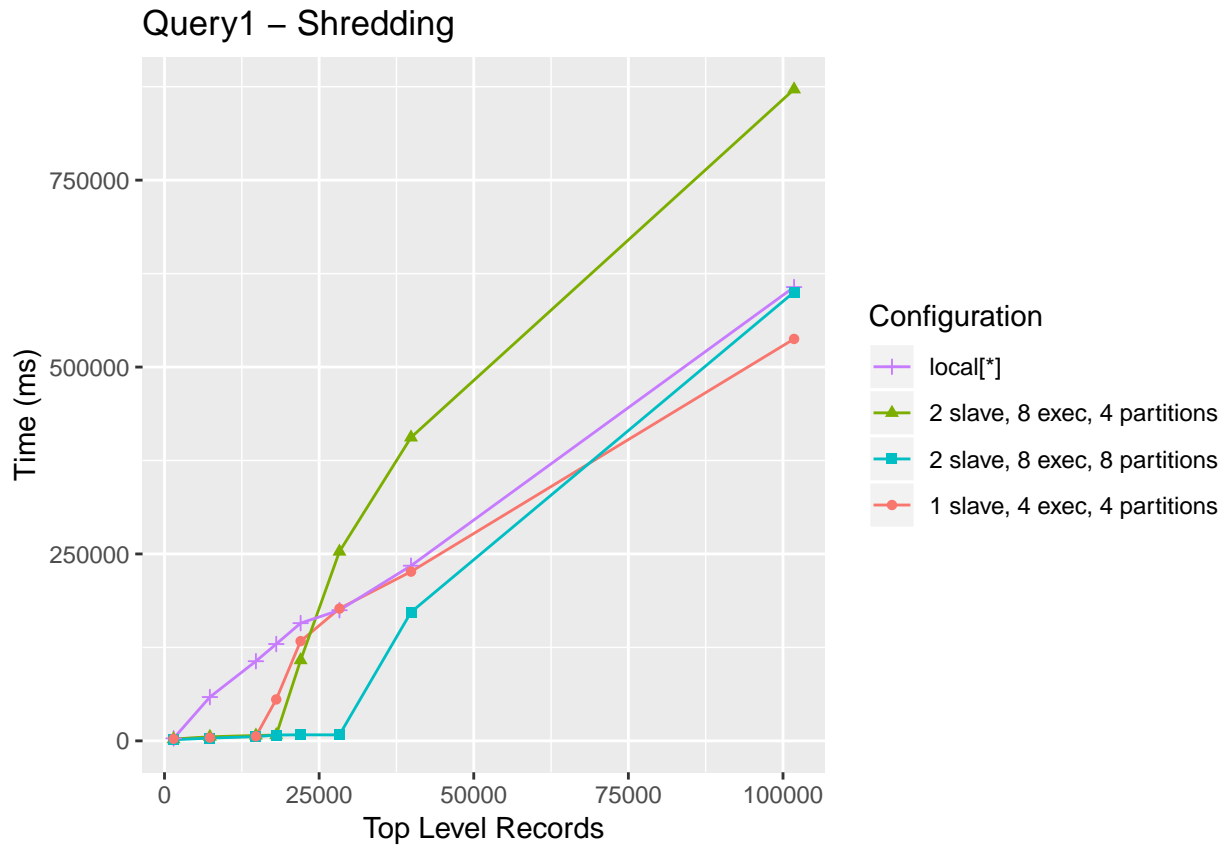
These tests were run on the Converge data (across 10640 samples) on the ODA cluster.

Query 1 Results

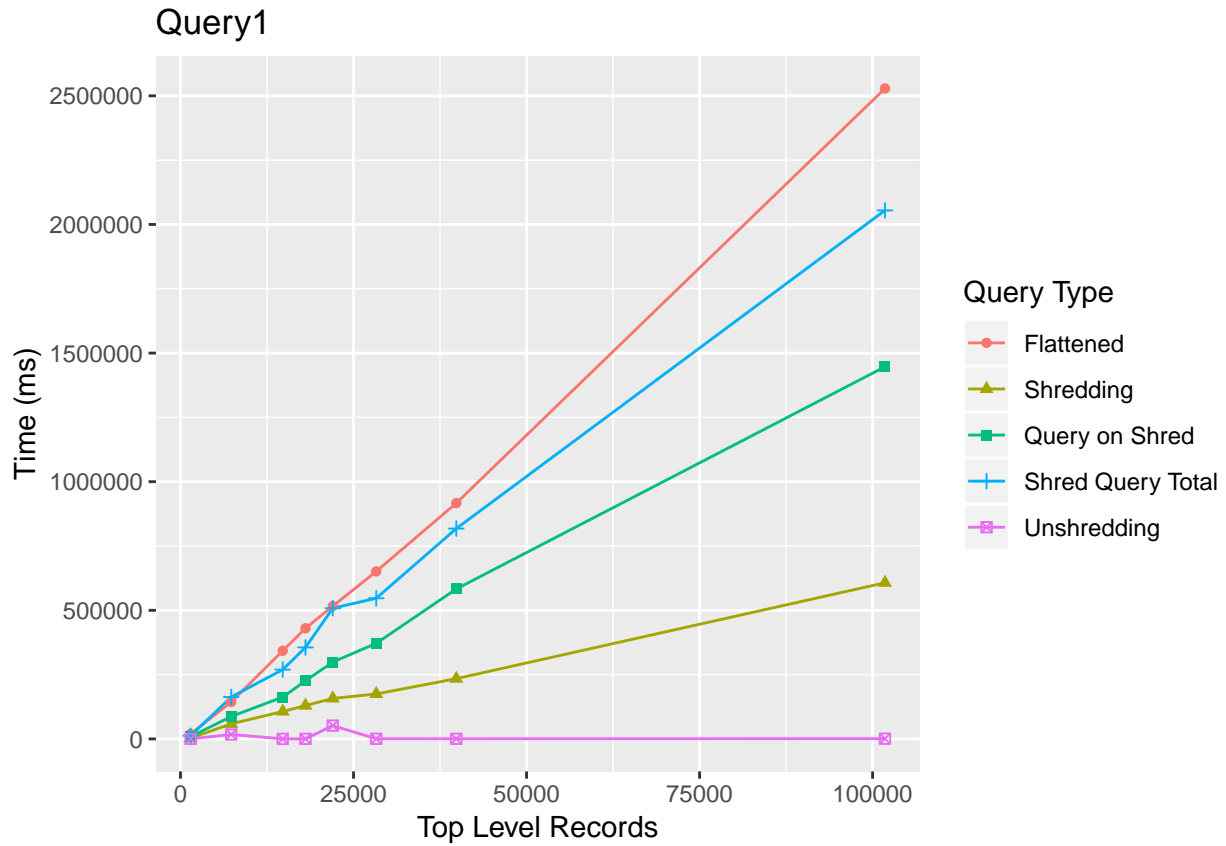## Query1 – Flattened
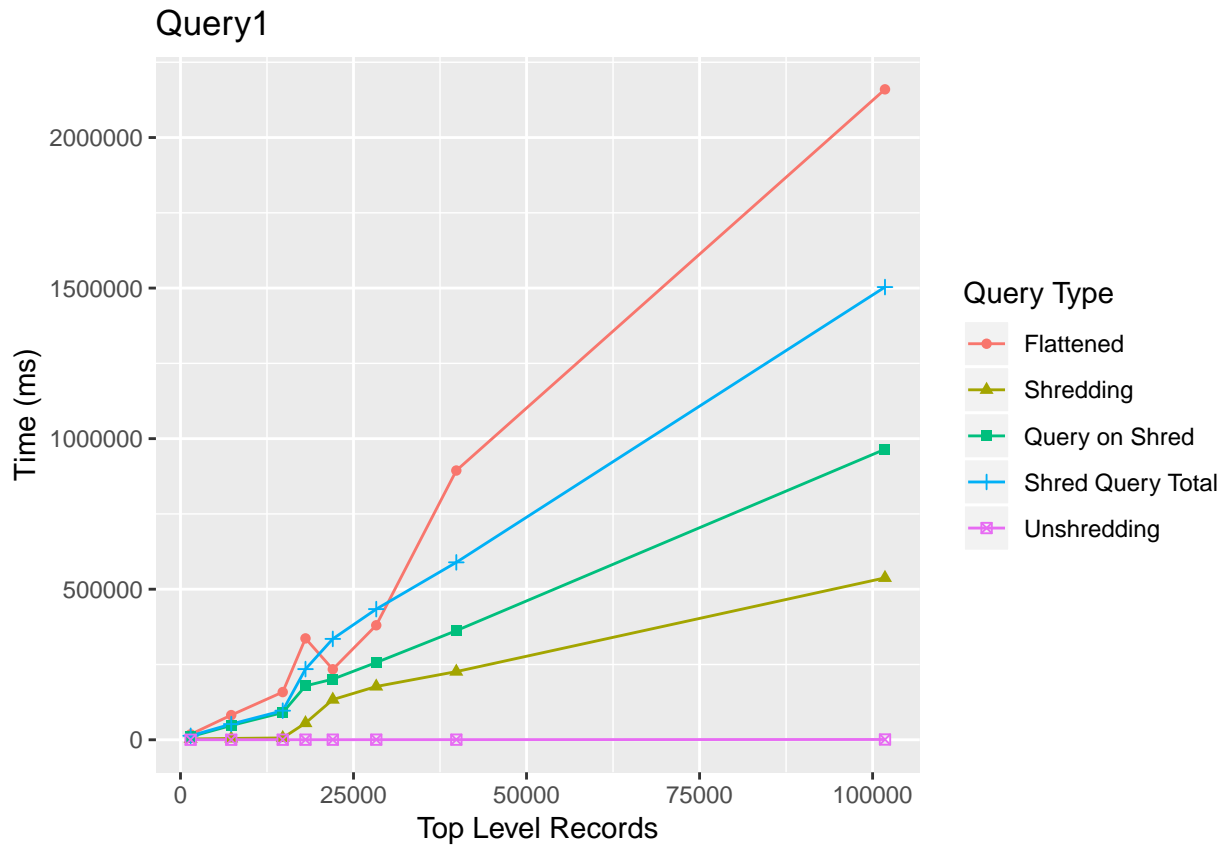
Query1 – Shredding

Query1 – Shredded Query

Local mode, Spark 2.1.1, Scala 2.11.8, 48 cores, 32G Driver, materializing shredded query stages

```
--master local[*] \
--executor-memory 24G \
--driver-memory 32G \
```
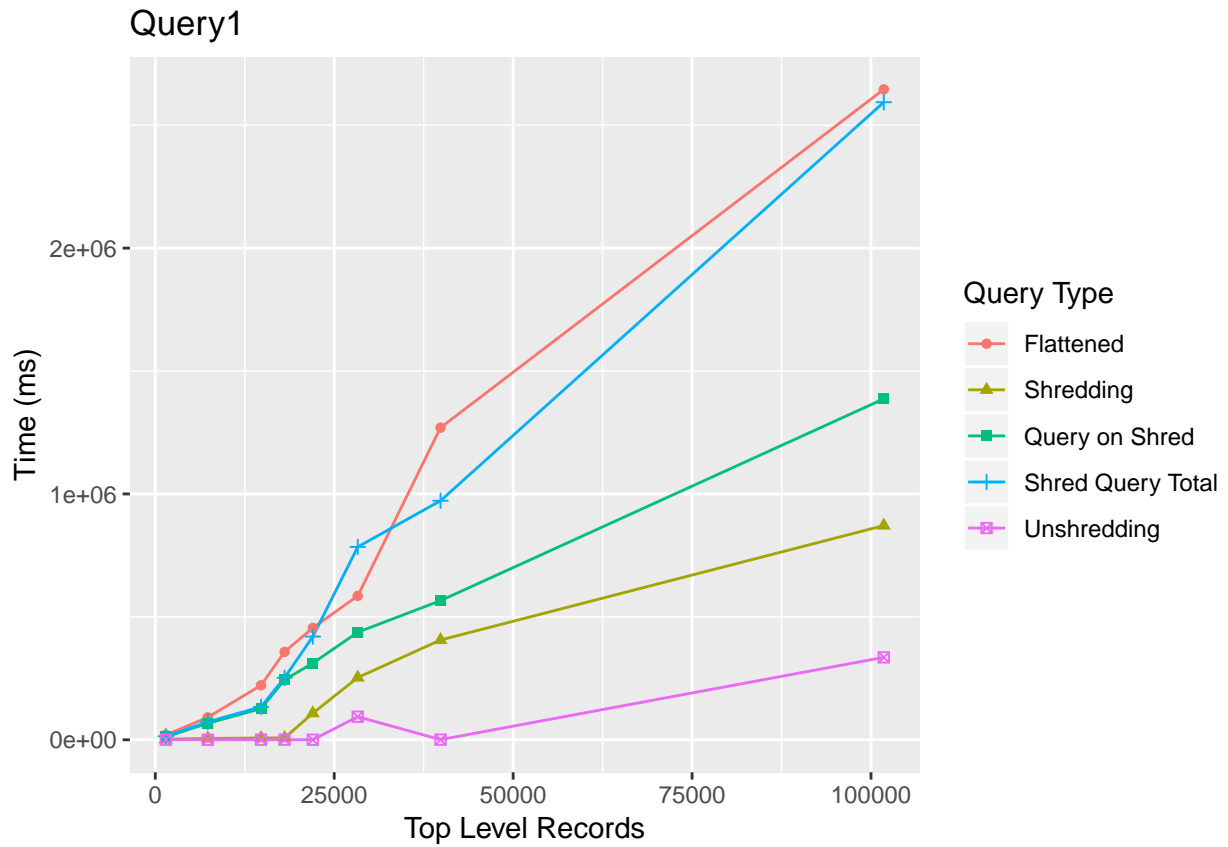
Query1

Converge, 1 slave, Spark 2.1.1, Scala 2.11.8, 4 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 4 \
--executor-memory 24G \
--driver-memory 32G \
```

Query1

Converge, 2 slaves, Spark 2.1.1, Scala 2.11.8, 4 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 8 \
--executor-memory 24G \
--driver-memory 32G \
```
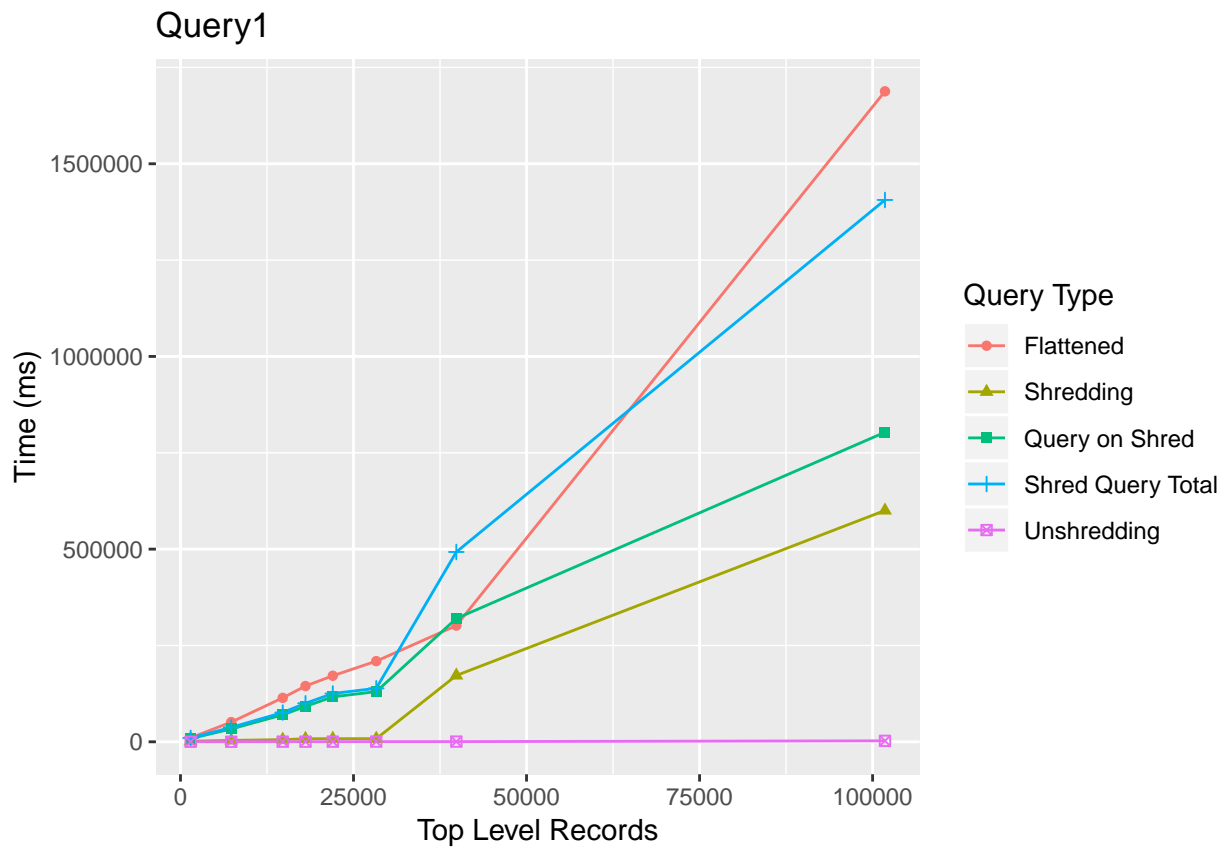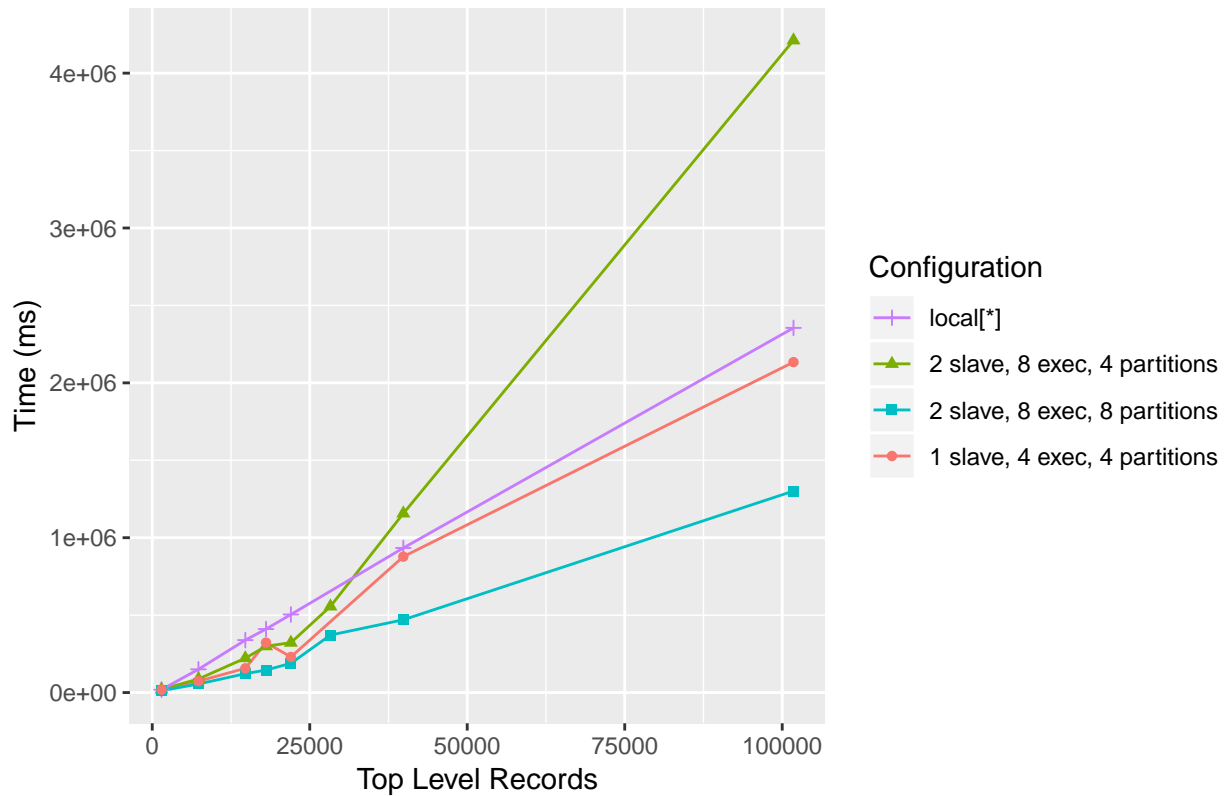
Query1

Converge, 2 slaves, Spark 2.1.1, Scala 2.11.8, 8 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 8 \
--executor-memory 24G \
--driver-memory 32G \
```

Query 4 Results

Query4 – Flattened

Query4 – Shredding

Query4 – Shredded Query

Local mode, Spark 2.1.1, Scala 2.11.8, 48 cores, 32G Driver, materializing shredded query stages

```
--master local[*] \
--executor-memory 24G \
--driver-memory 32G \
```

Query4

Converge, 2 slaves, Spark 2.1.1, Scala 2.11.8, 4 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 8 \
--executor-memory 24G \
--driver-memory 32G \
```
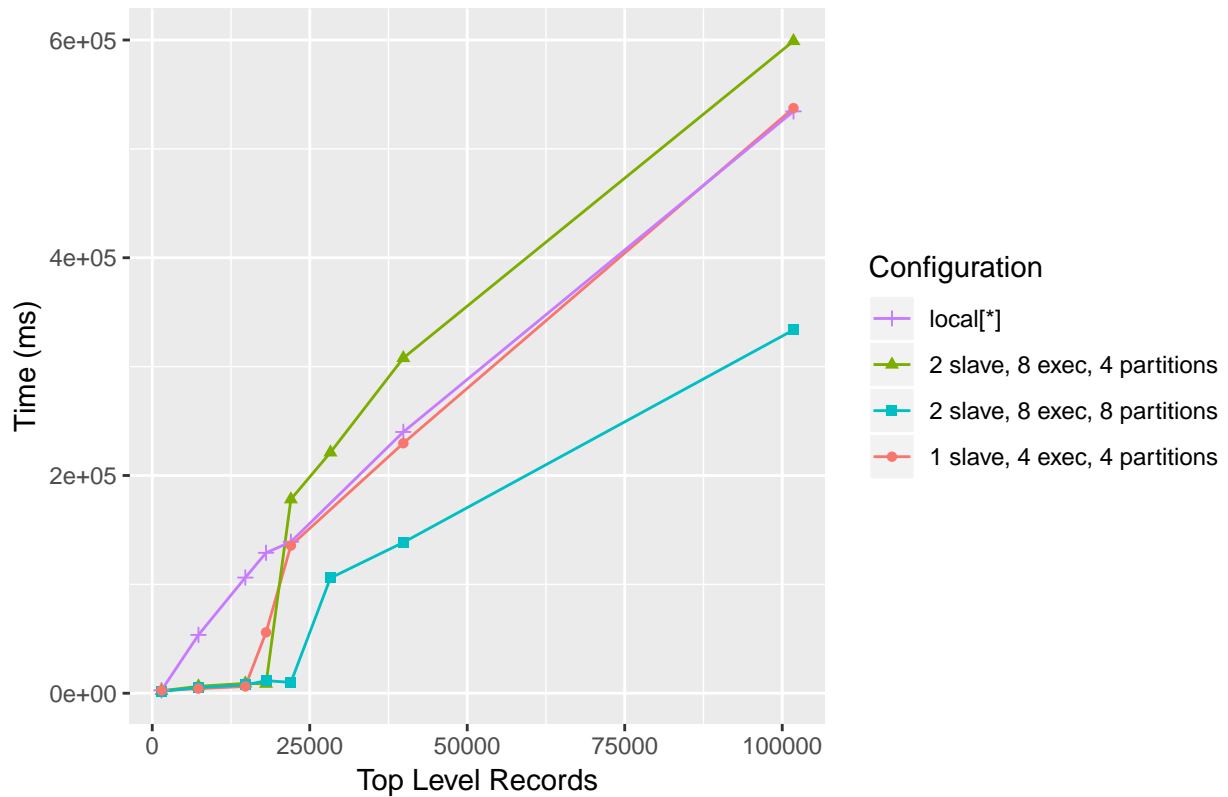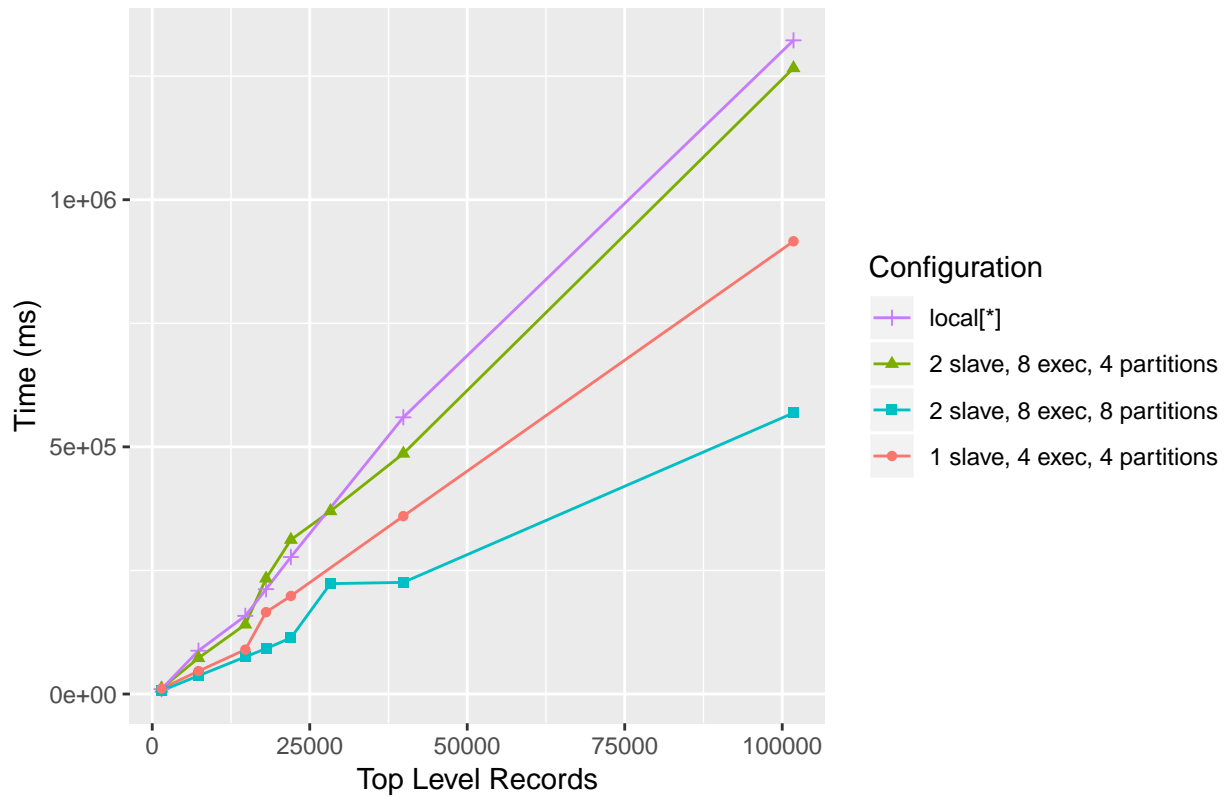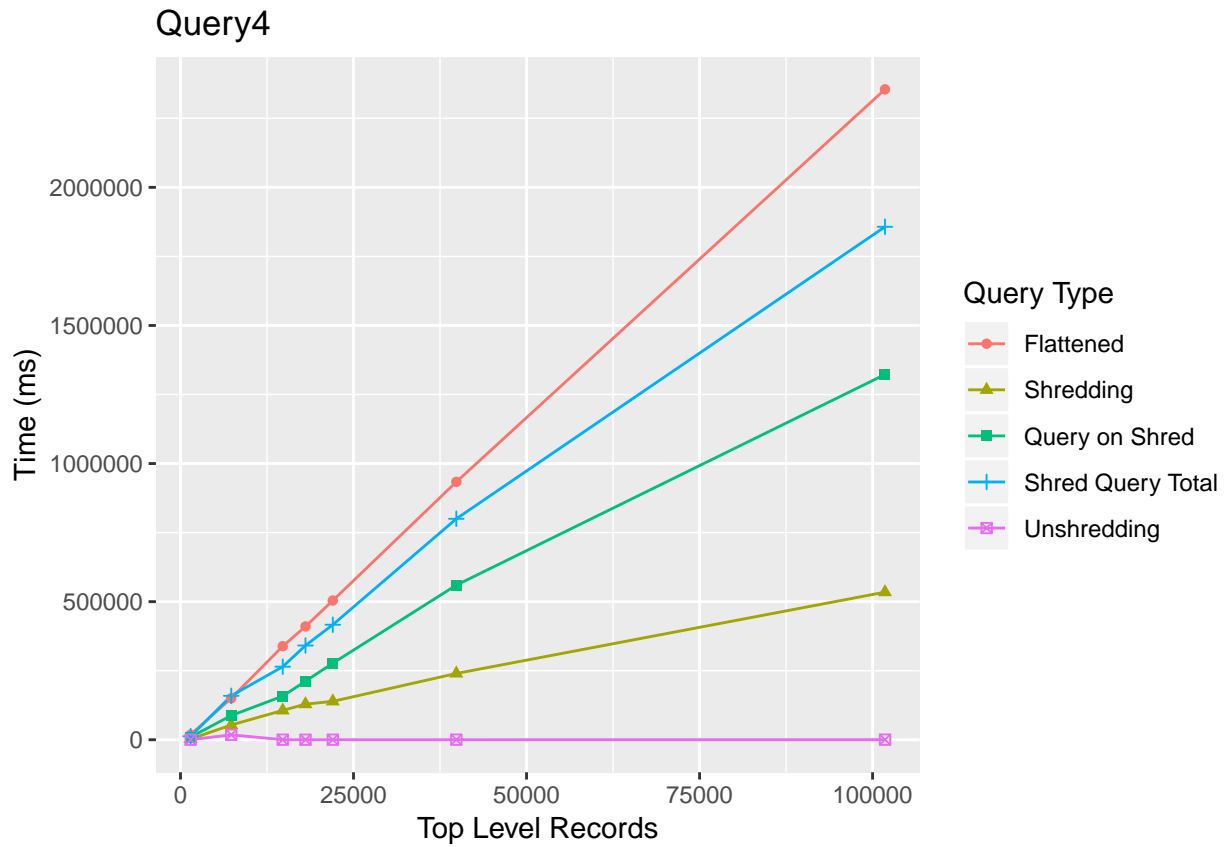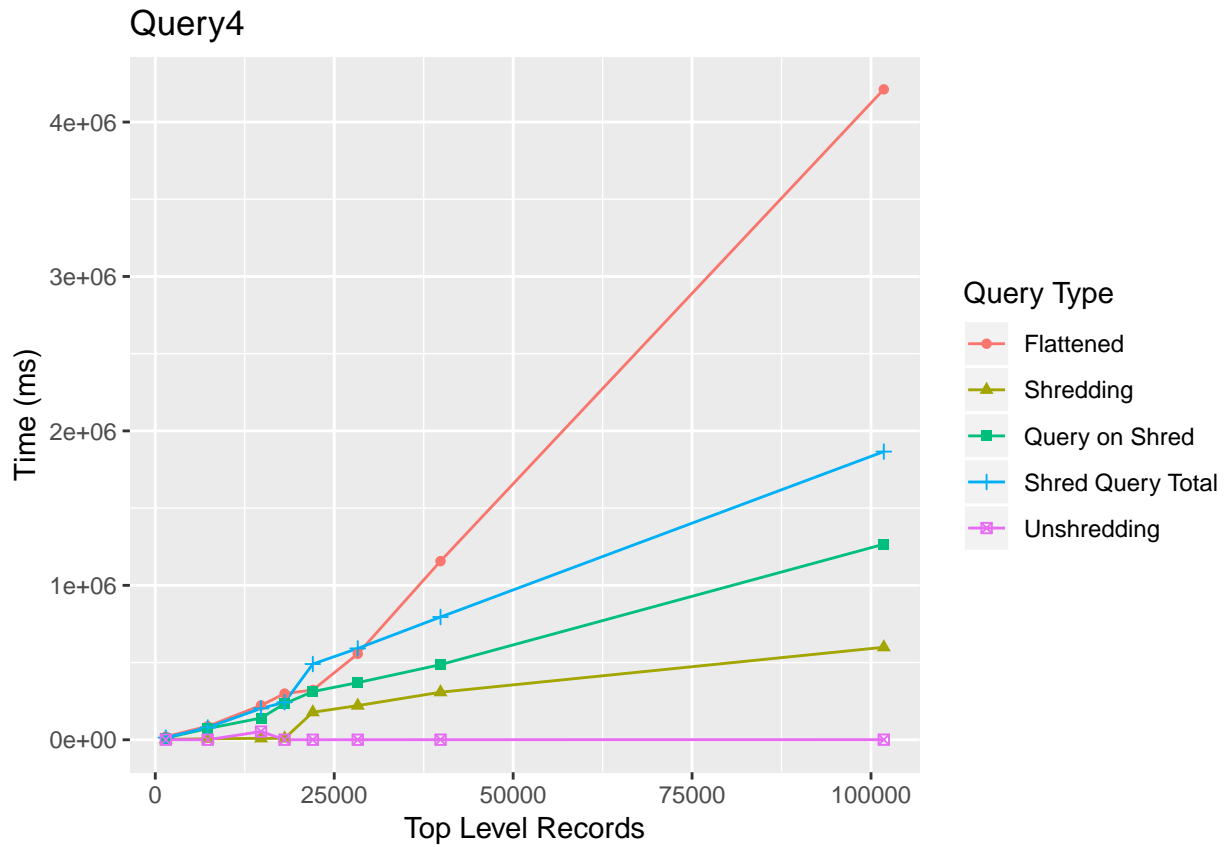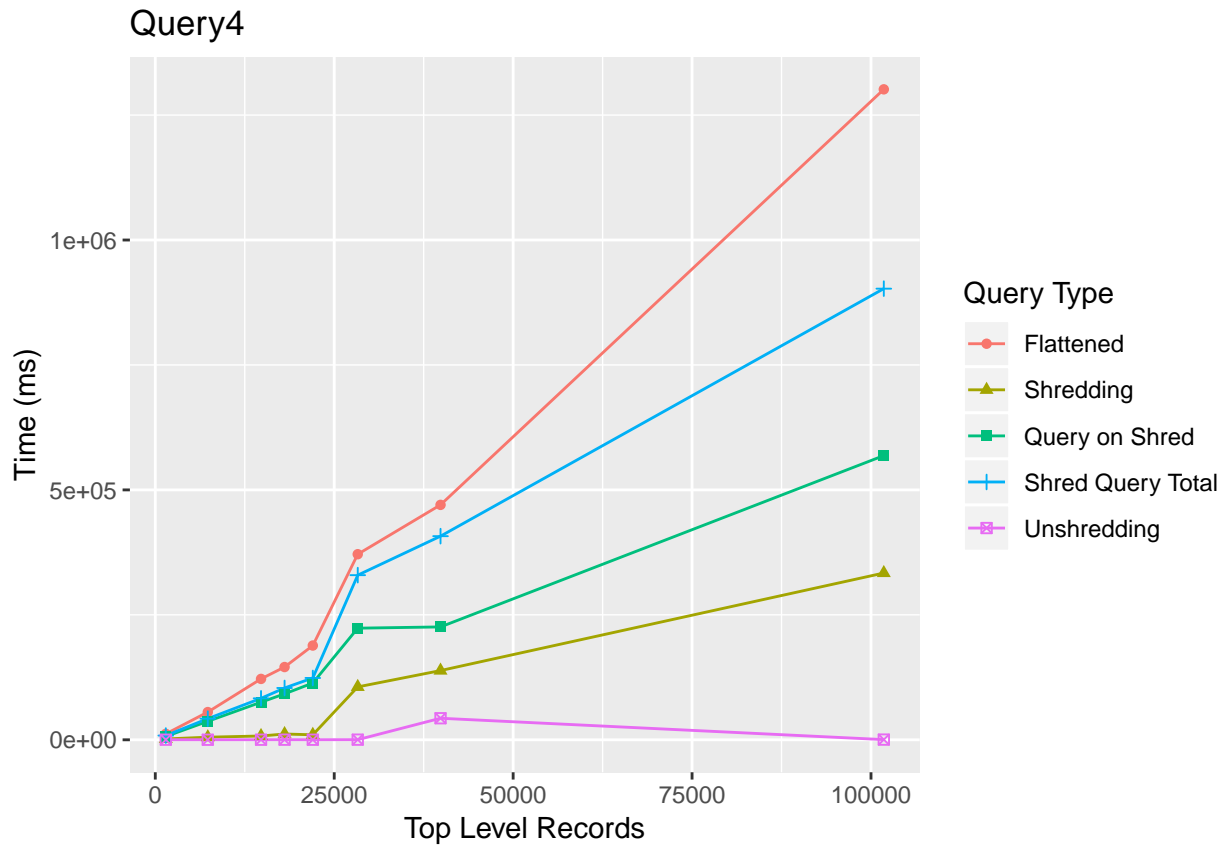
Query4

Converge, 2 slaves, Spark 2.1.1, Scala 2.11.8, 8 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 8 \
--executor-memory 24G \
--driver-memory 32G \
```

Query4

Converge, 1 slave, Spark 2.1.1, Scala 2.11.8, 4 partitions, materializing shredded query stages

```
--master spark://192.168.11.235:7077 \
--executor-cores 4 \
--num-executors 4 \
--executor-memory 24G \
--driver-memory 32G \
```

Query4