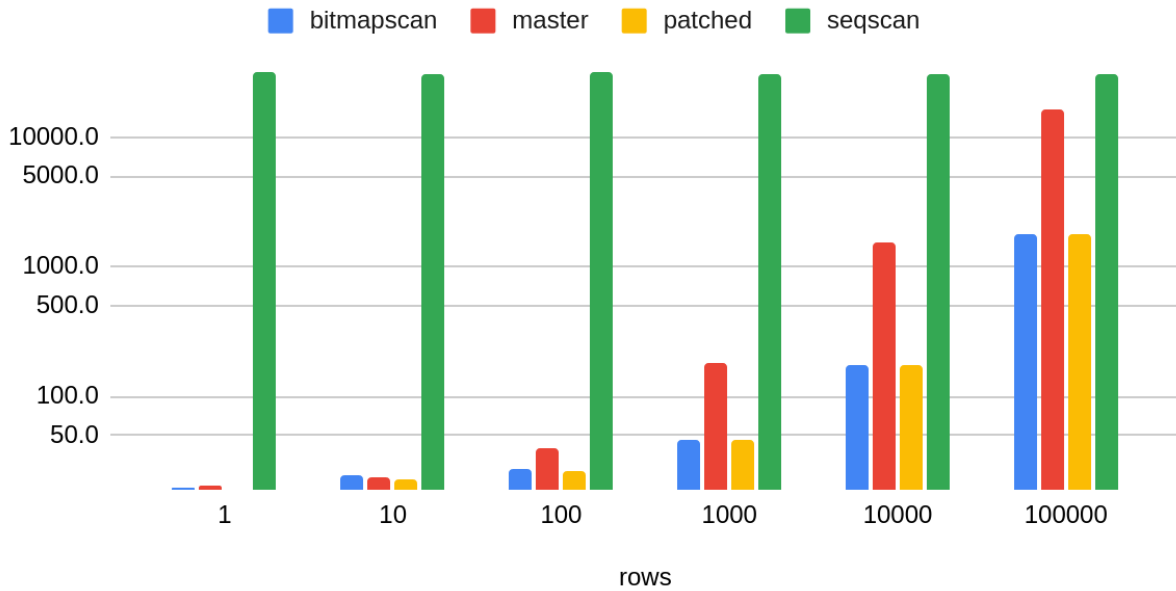


# OLTP

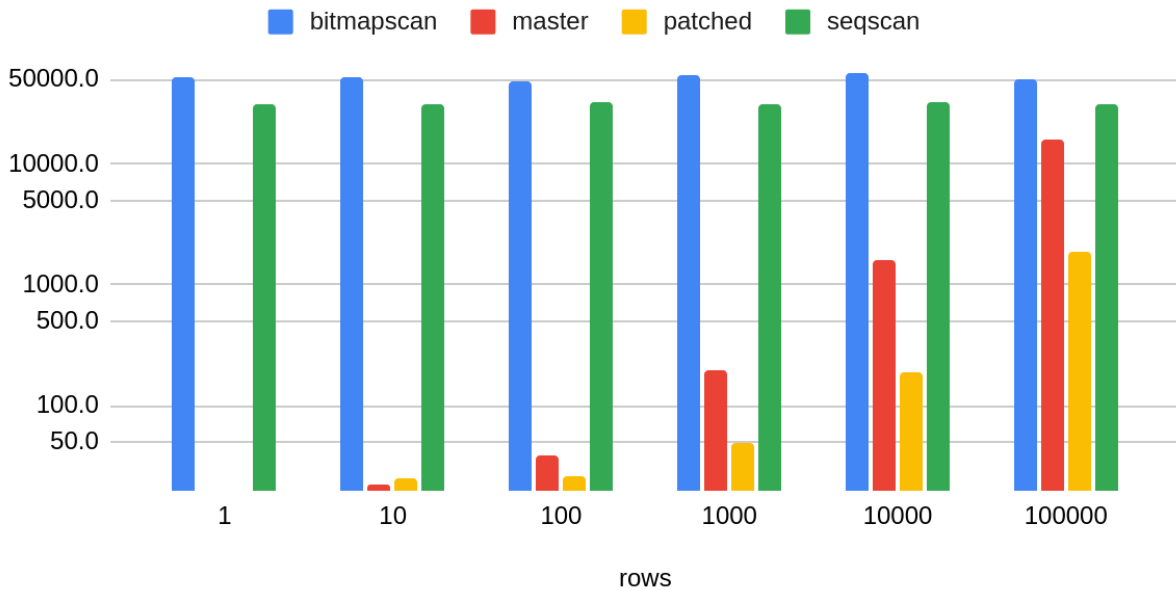
## BTREE

SELECT \* FROM btree\_test WHERE a = \$v



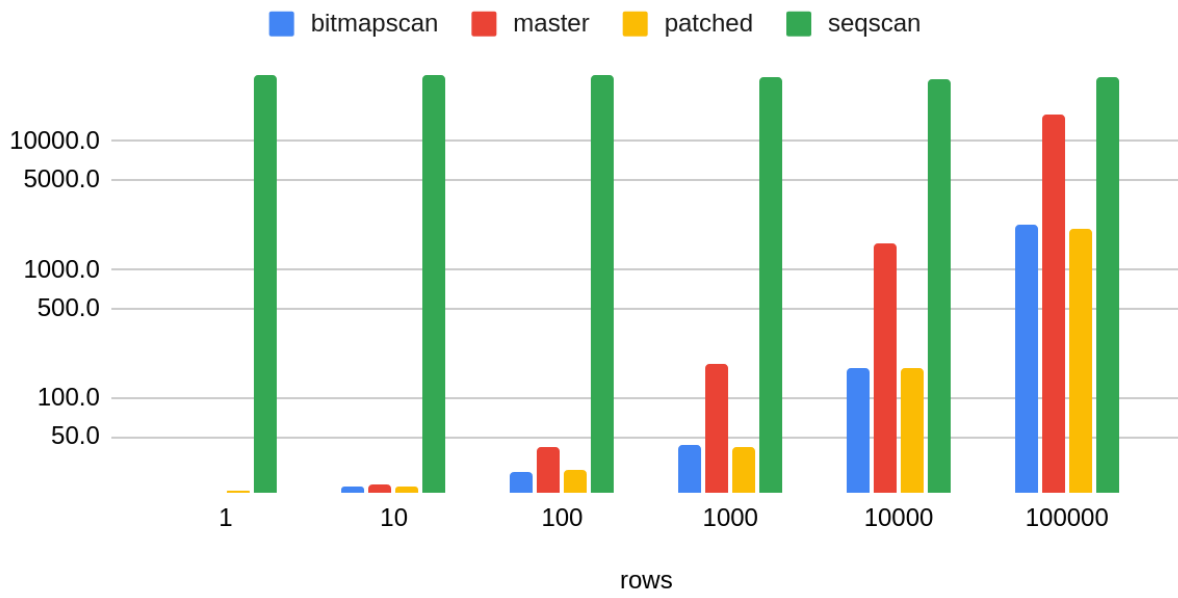
## BTREE / sorted

SELECT \* FROM btree\_test WHERE a >= \$v ORDER BY a LIMIT \$n



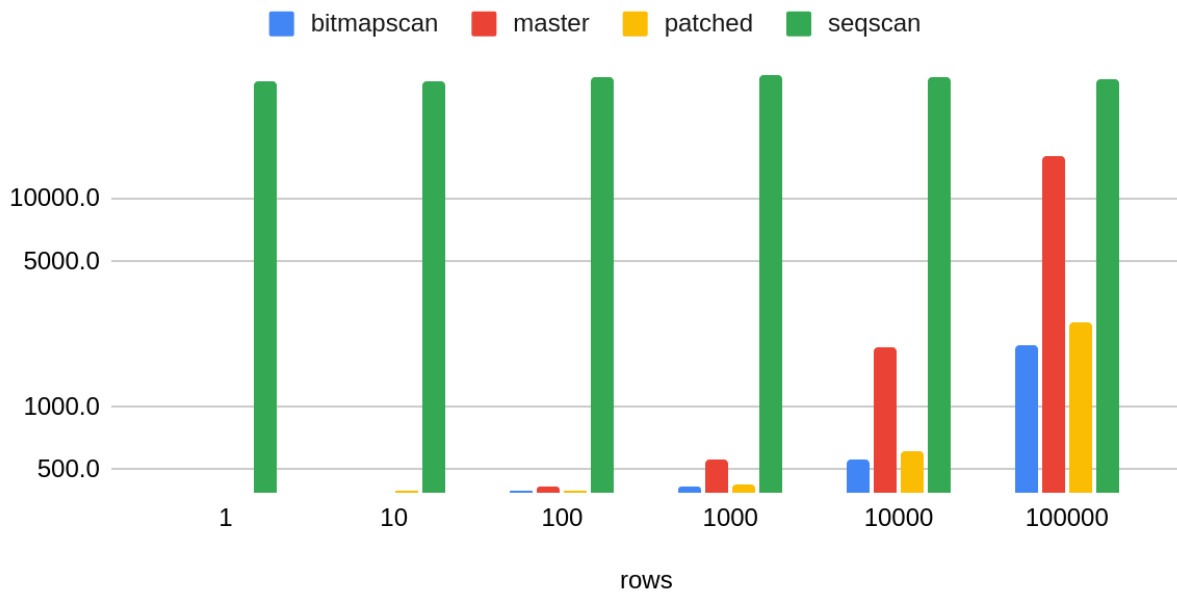
# HASH

SELECT \* FROM hash\_test WHERE a = \$v



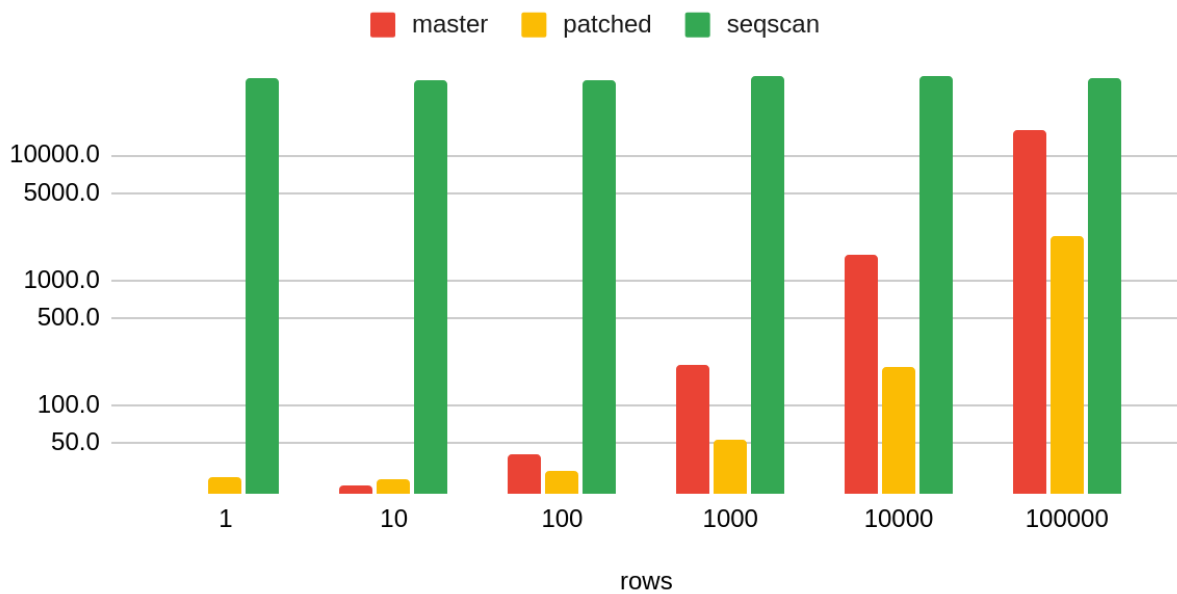
## GiST

```
SELECT * FROM gist_test WHERE a <@ '($x1,$x2),($y1,$y2)::box
```



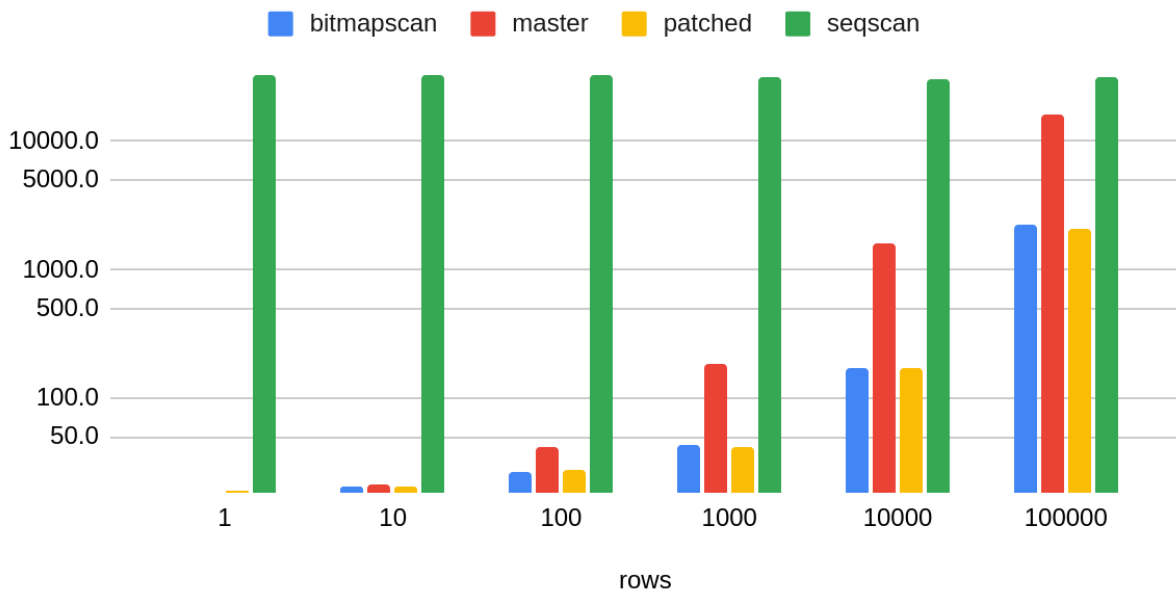
## GiST / distance

```
SELECT * FROM gist_test ORDER BY a <-> '($x,$y)::point LIMIT $n
```



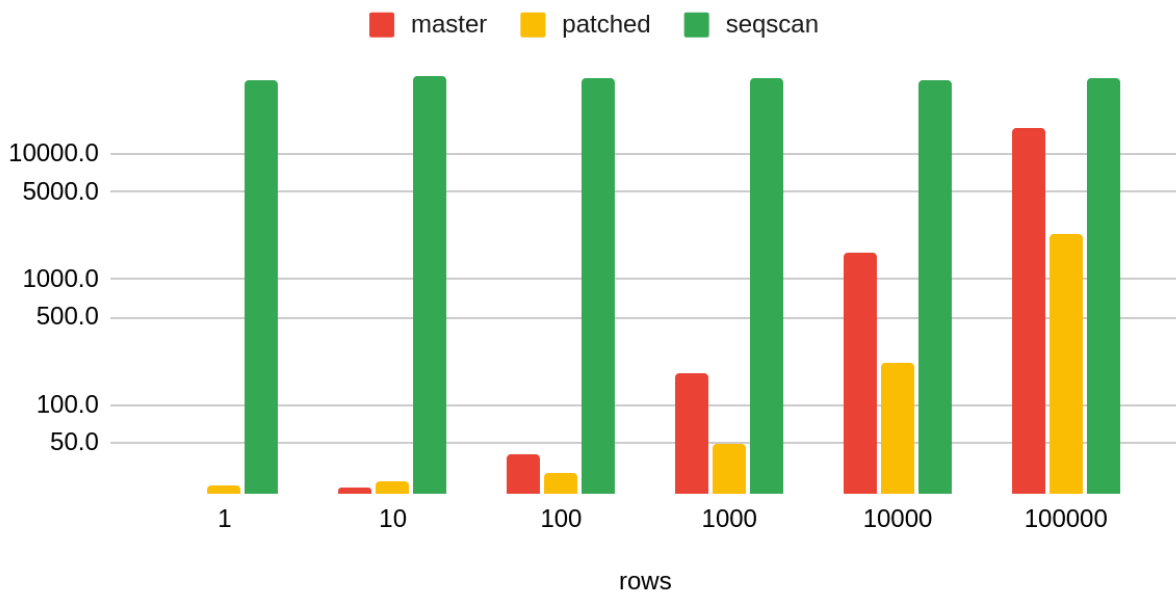
## SP-GiST

SELECT \* FROM spgist\_test WHERE a <@ '(\$x1,\$x2),(\$y1,\$y2)::box



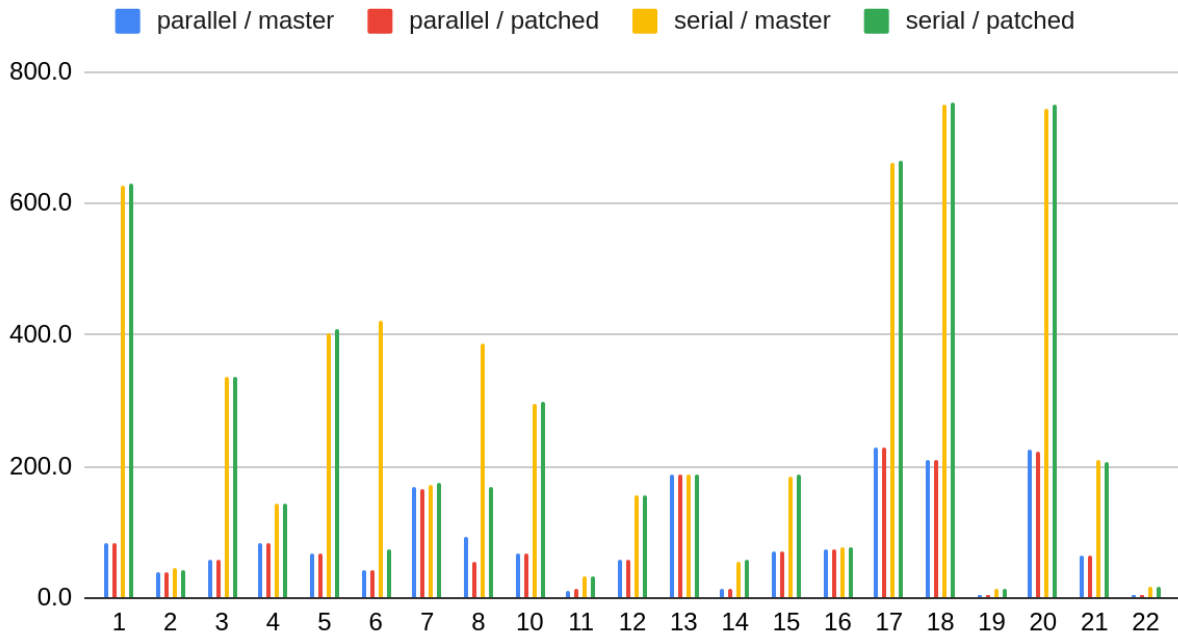
## SP-GiST / distance

SELECT \* FROM spgist\_test ORDER BY a <-> '(\$x,\$y)::point LIMIT \$n

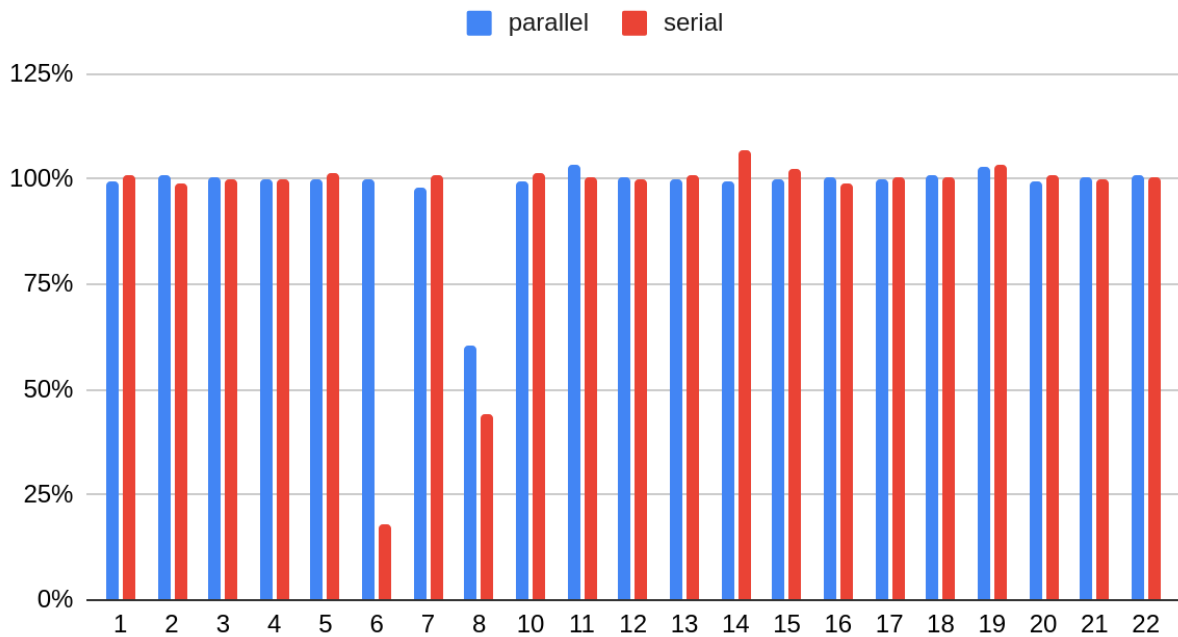


# TPC-H

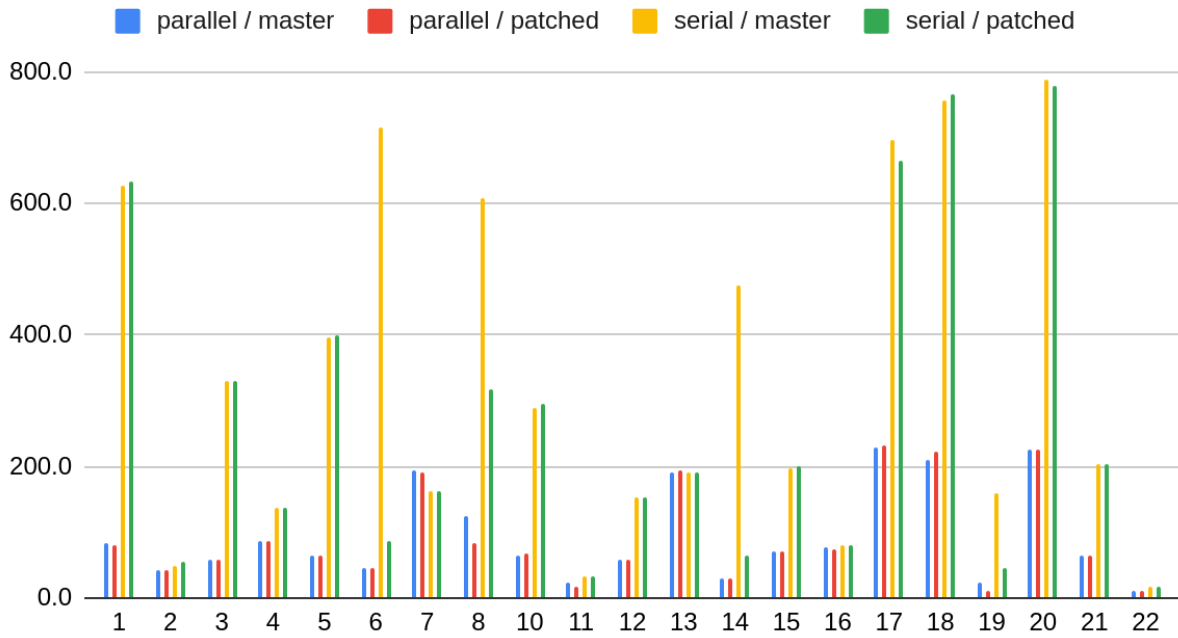
xeon / cached (timing)



xeon / cached (speedup)



### xeon / uncached (timing)



### xeon / uncached (speedup)

