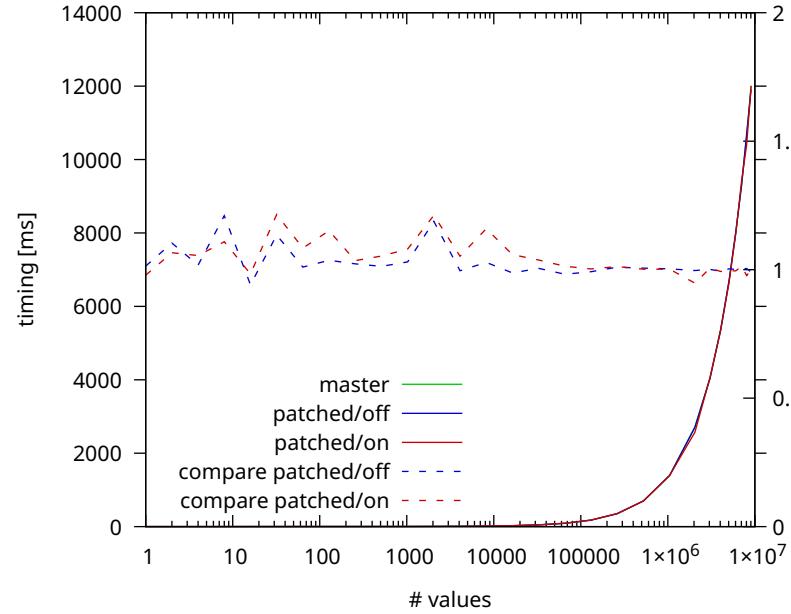


create unlogged table t (a bigint, b text) with (fillfactor = 100);

```
insert into t select -1 * a, b from (select r, a, b, generate_series(0,1-1) AS p from (select row_number() over () AS r, a, b from (select i AS a, md5(i::text) AS b from generate_series(1, 10000000) s(i) ORDER BY (i + 1024 * (random() - 0.5))) foo) bar) baz ORDER BY ((r * 1 + p) + 2048 * (random() - 0.5));  
create index idx on t(a DESC) with (deduplicate=true);
```

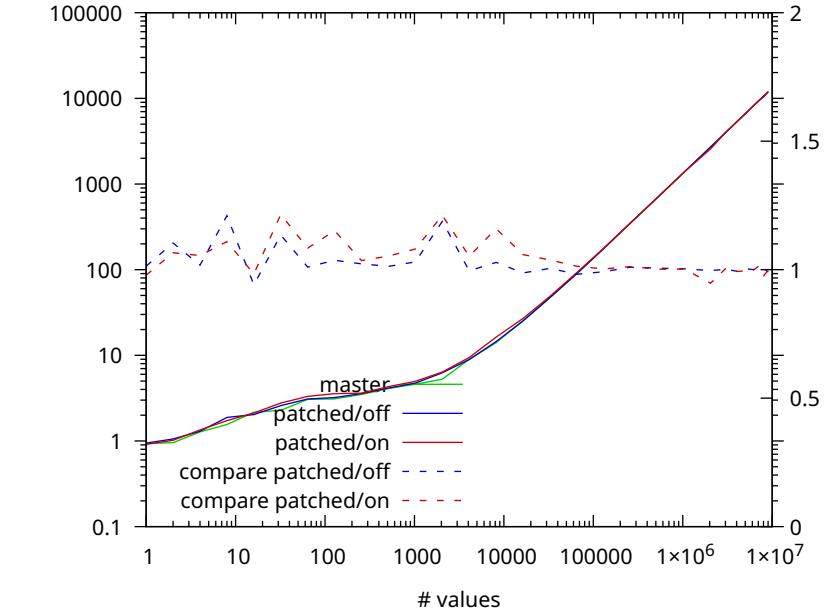
cold

```
SELECT * FROM t WHERE a BETWEEN $1 AND $2 ORDER BY a ASC
```



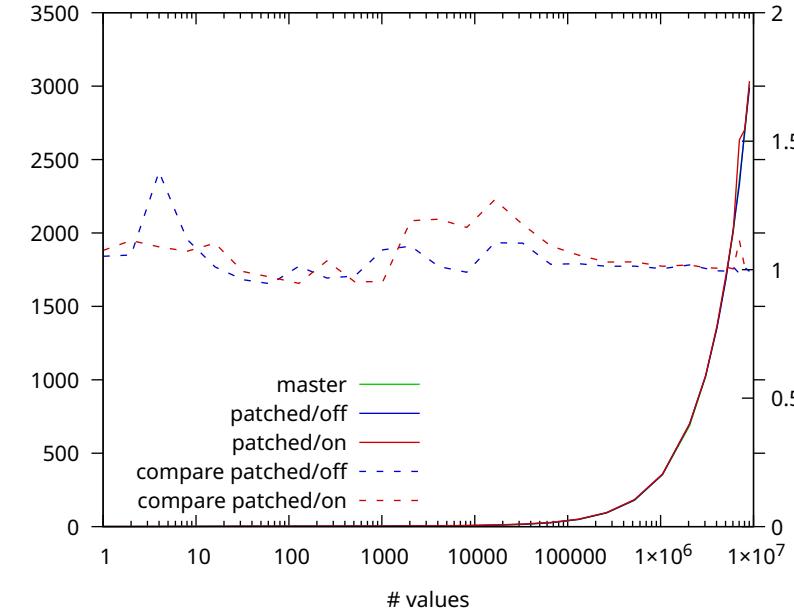
cold (log)

```
SELECT * FROM t WHERE a BETWEEN $1 AND $2 ORDER BY a ASC
```

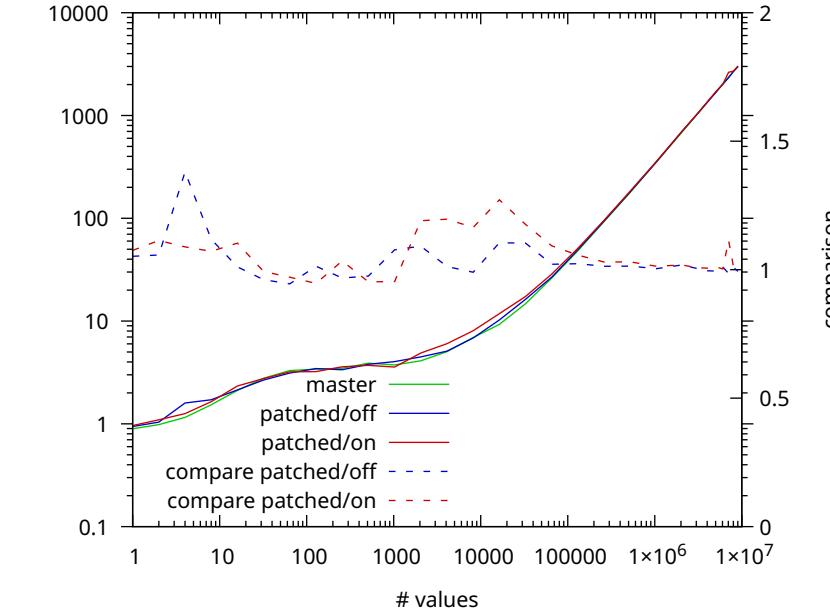


cold

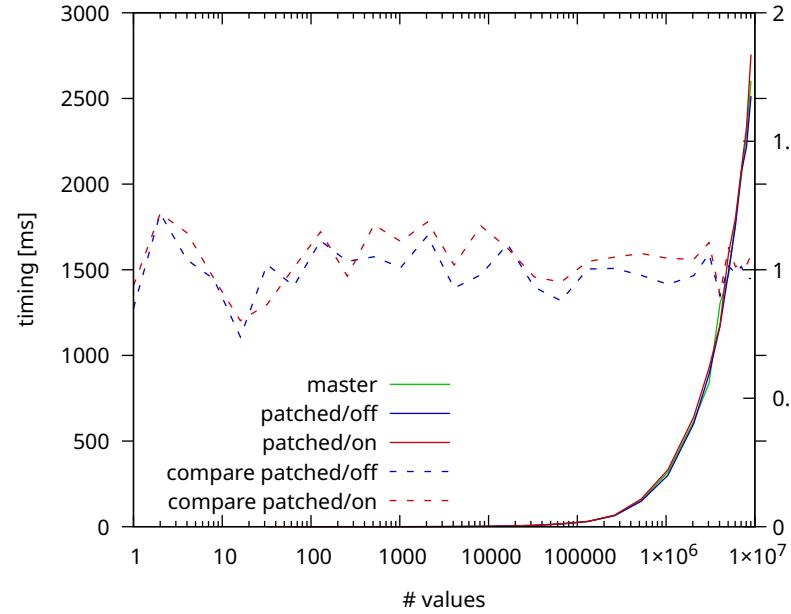
```
SELECT * FROM t WHERE a BETWEEN $1 AND $2 ORDER BY a DESC
```



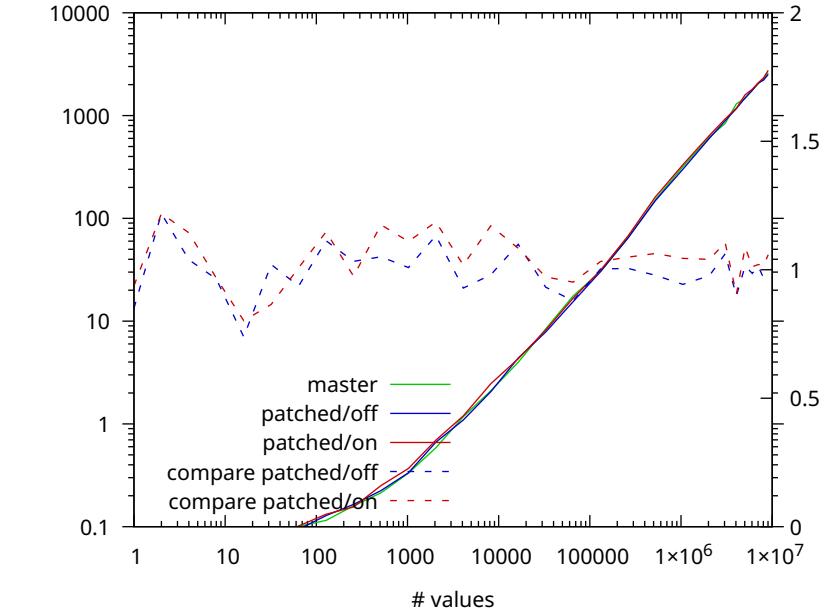
**cold (log)**  
SELECT \* FROM t WHERE a BETWEEN \$1 AND \$2 ORDER BY a DESC



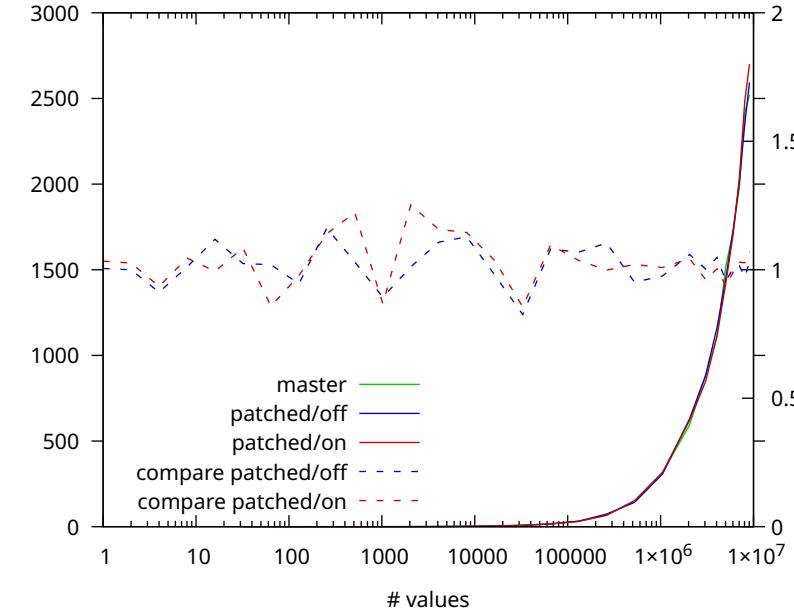
warm  
SELECT \* FROM t WHERE a BETWEEN \$1 AND \$2 ORDER BY a ASC



warm (log)  
SELECT \* FROM t WHERE a BETWEEN \$1 AND \$2 ORDER BY a ASC



warm  
SELECT \* FROM t WHERE a BETWEEN \$1 AND \$2 ORDER BY a DESC



warm (log)  
SELECT \* FROM t WHERE a BETWEEN \$1 AND \$2 ORDER BY a DESC

