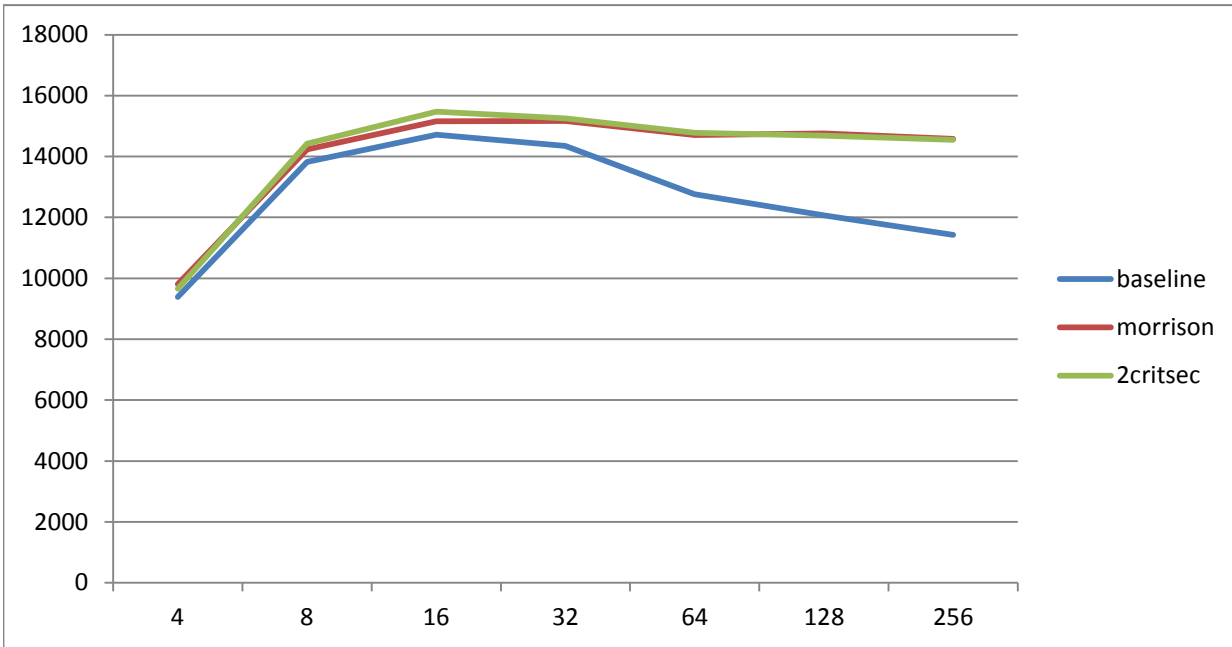


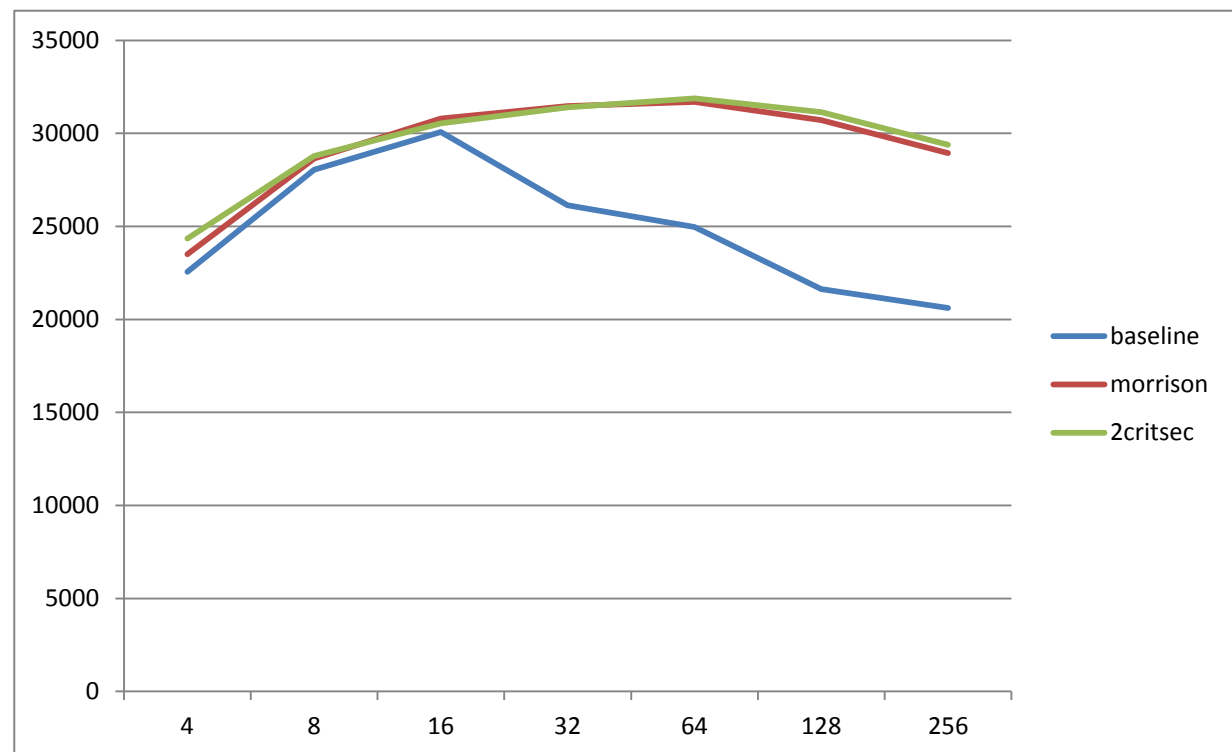
distinct ranges

	4	8	16	32	64	128	256
baseline	9385.91	13818.8	14712	14347.89	12763.69	12064.59	11426.5
morrison	9812.43	14228.25	15161.52	15167.45	14700.75	14755.17	14578.81
2critsec	9665.15	14422.09	15469.05	15256.97	14776.65	14685.65	14549.75



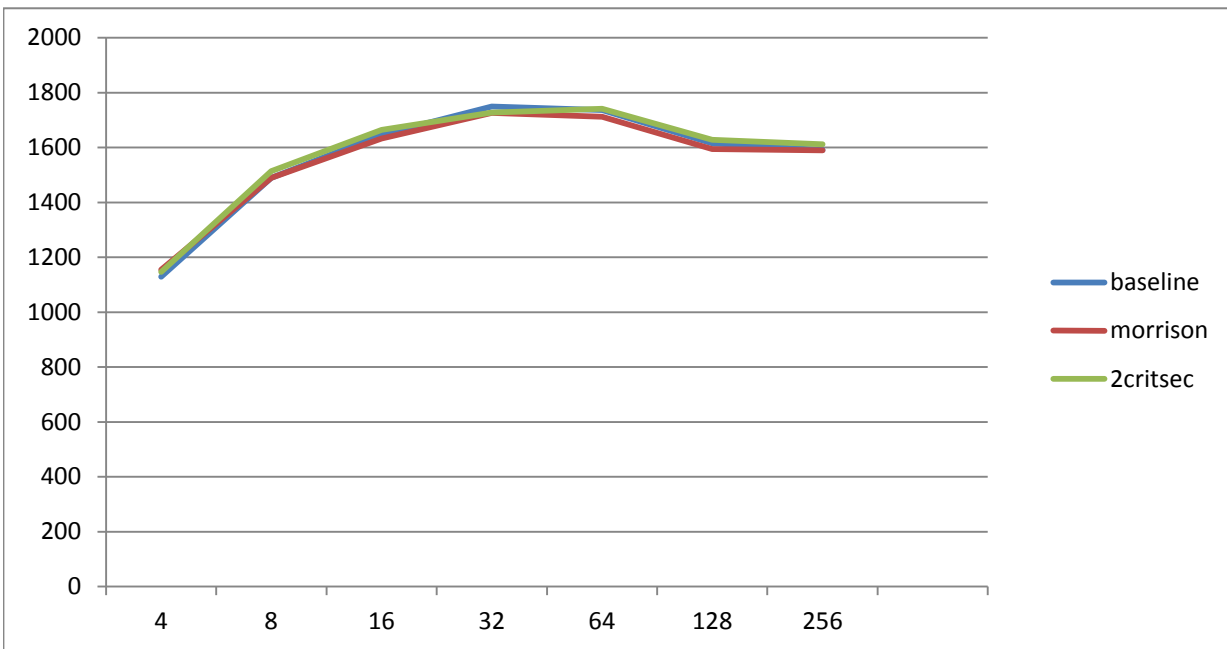
point select

	4	8	16	32	64	128	256
baseline	22558.39	28049.12	30067.37	26132.8	24971.86	21629.56	20614.57
morrison	23495.99	28639.68	30801.41	31457.24	31694.71	30700.86	28932.13
2critsec	24347.21	28784.1	30531.63	31395.1	31872.47	31136.11	29382.26



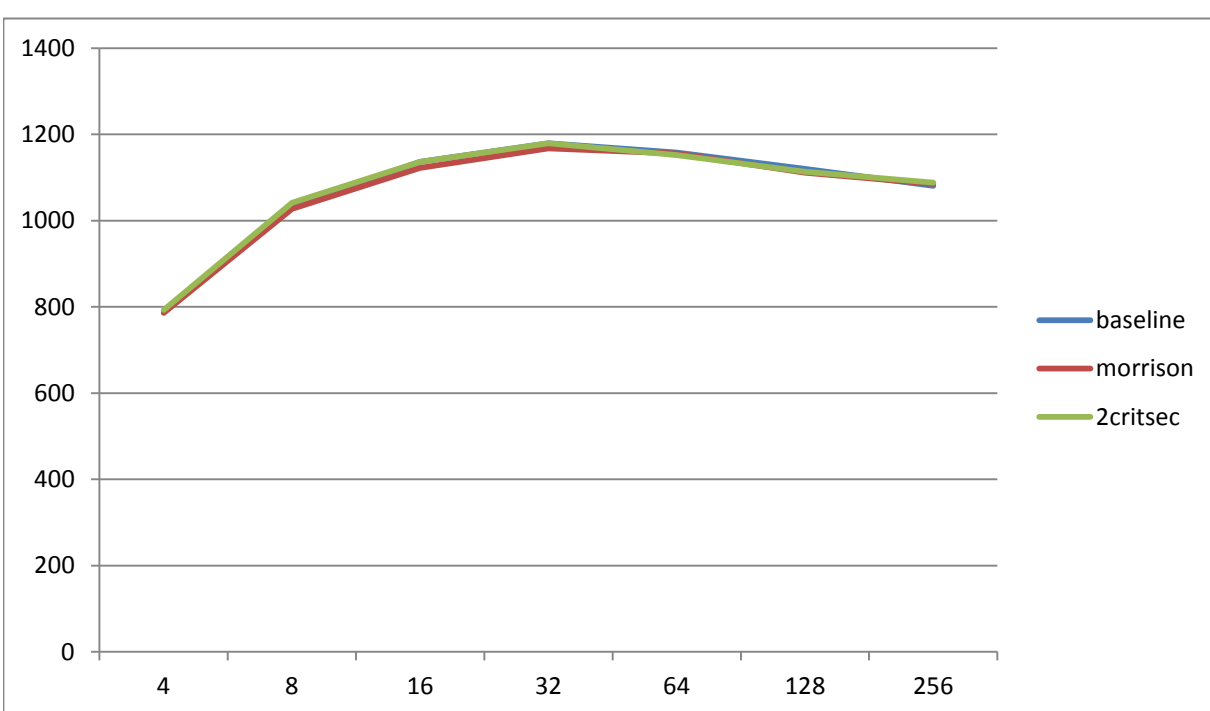
oltp ro innodb

	4	8	16	32	64	128	256
baseline	1129.32	1489.76	1647.29	1749.06	1736.93	1614.88	1590.68
morrison	1154.94	1489.66	1632.31	1725.88	1711.62	1594.2	1589.76
2critsec	1146.99	1514.03	1664.18	1727.05	1740.8	1627.53	1611.64



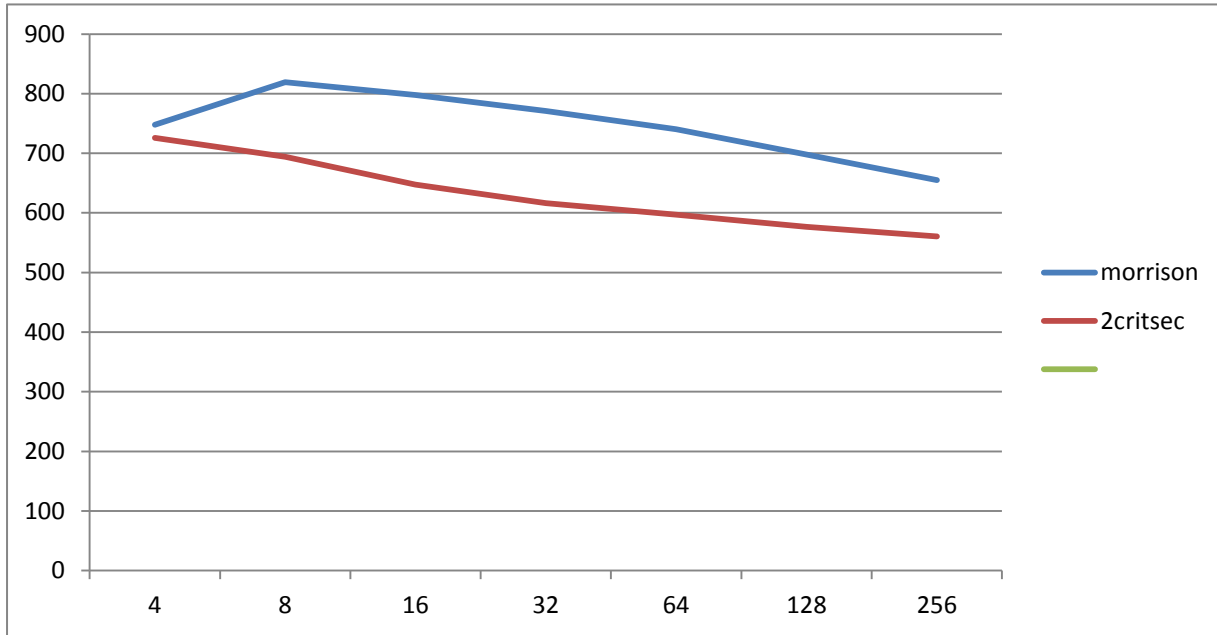
oltp rw innodb

	4	8	16	32	64	128	256
baseline	786.45	1034.37	1136.36	1179.18	1157.97	1119.63	1080.2
morrison	786.11	1026.94	1121.92	1167.03	1155.65	1110.92	1085.24
2critsec	792.3	1041.04	1136.22	1179.3	1152.03	1113.26	1087.63



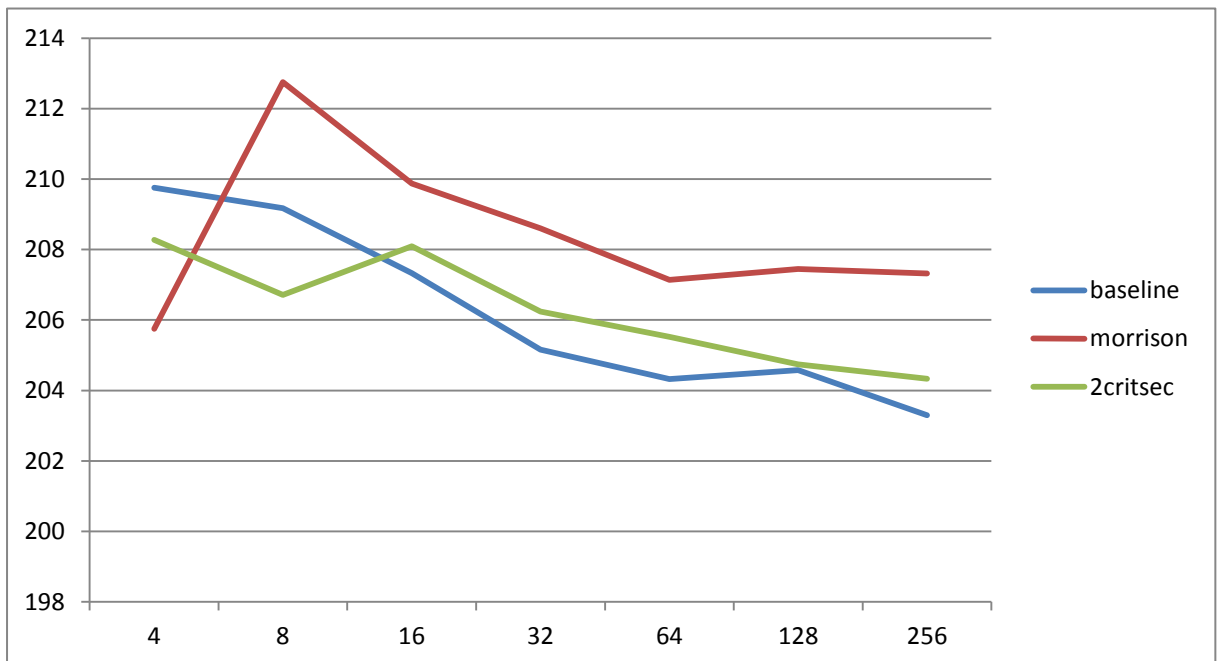
oltp ro myisam

	4	8	16	32	64	128	256
baseline	714.67	702.82	653.63	630.18	610.06	590.92	574.8
morrison	747.79	819.27	797.99	771.13	740.36	697.86	655.16
2critsec	725.58	694.26	647.6	616.3	597.13	576.77	560.75



oltp rw myisam

	4	8	16	32	64	128	256
baseline	209.75	209.17	207.33	205.16	204.32	204.58	203.3
morrison	205.75	212.75	209.87	208.6	207.14	207.45	207.32
2critsec	208.27	206.71	208.09	206.24	205.52	204.74	204.33

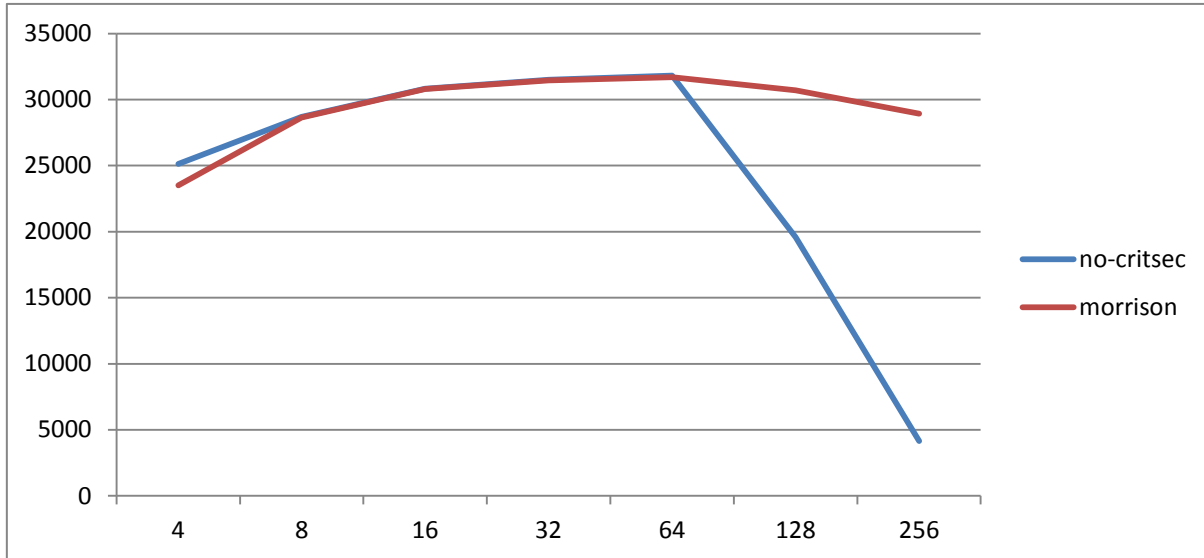


Effect of extra Critical Section on writers in "morrison" patch

(no-critsec is compiled without critical section for writer synchronization)

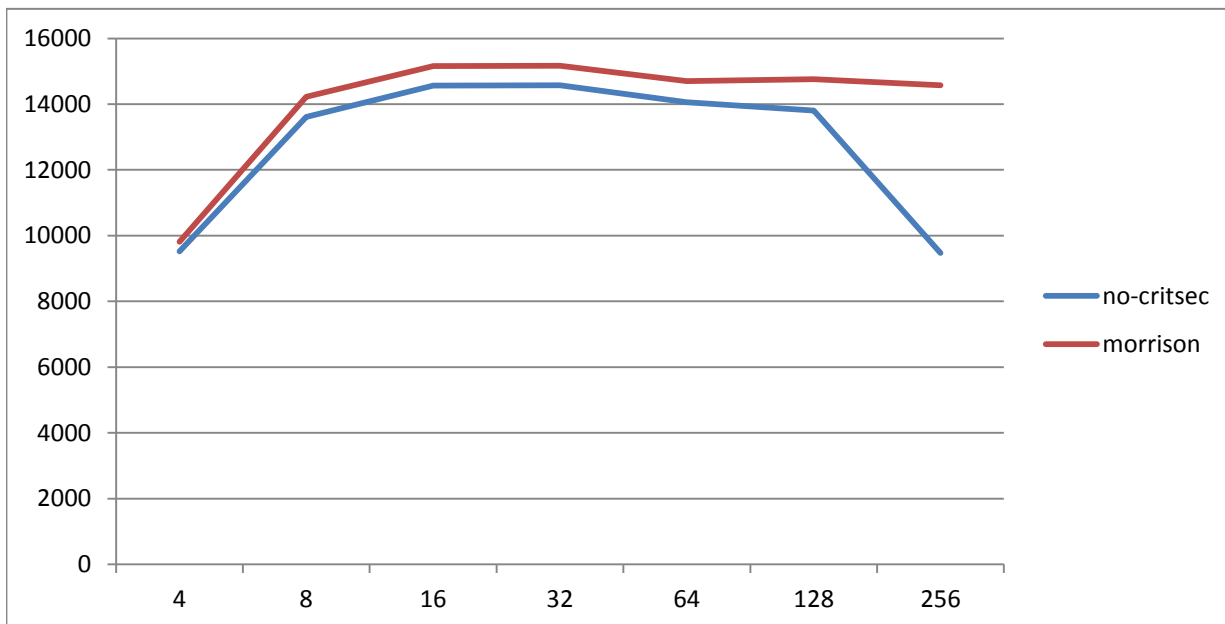
point select

	4	8	16	32	64	128	256
no-critsec	25121.59	28694.93	30813.85	31497.92	31806.73	19590.89	4152.77
morrison	23495.99	28639.68	30801.41	31457.24	31694.71	30700.86	28932.13



distinct ranges

	4	8	16	32	64	128	256
no-critsec	9523.15	13609.9	14559.51	14575.73	14060.97	13800.44	9470.3
morrison	9812.43	14228.25	15161.52	15167.45	14700.75	14755.17	14578.81



Benchmark environment:

Windos 2008 R2 , 8 CPUs (2xQuadcore ~2133Mhz), 8GB | GB RAM

database parameters used

```
[mysqld]
sql-mode="NO_ENGINE_SUBSTITUTION"
user=root
port=3306
max_prepared_stmt_count=50000
max_connections=100000
max_connect_errors=50
table_cache=2048
transaction_isolation=REPEATABLE-READ
loose-skip-locking
loose-skip-external-locking
innodb_status_file=0
innodb-file-per-table=1
innodb_data_file_path=ibdata1:200M:autoextend
innodb_buffer_pool_size=1300M
innodb_additional_mem_pool_size=20M
innodb_log_file_size=650M
innodb_log_files_in_group=2
innodb_log_buffer_size=16M
innodb_support_xa=0
innodb_doublewrite=1
innodb_thread_concurrency=0
innodb_flush_log_at_trx_commit=0
disable-log-bin
innodb_support_xa
query-cache-size=0
query-cache-type=0
```

Tests ran with warm cache (sysbench cleanup /sysbench prepare
(readonly tests with sysbench 0.4, oltp ro/rw with sysbench 0.5)
common parameters: --oltp-table-size=10000000 --max-requests=0 --max-time=180

1