OOC is optimistic, it assumes that conflicts are rare. In case of write-heavy, long-running transactions, frequent conflicts could take place. Frequent lock-based validations, in case of conflicts, will not complete, hence will provoke growing number of aborts. Consequently, high abort rate decreases the throughput significantly. As MVTO rolls-back primarily, when RTS_j > WTS_i. Having write-heavy workload MVTO, it will just increase memory consumption (store the versions). And the throughput for MVTO should be higher than for OCC.