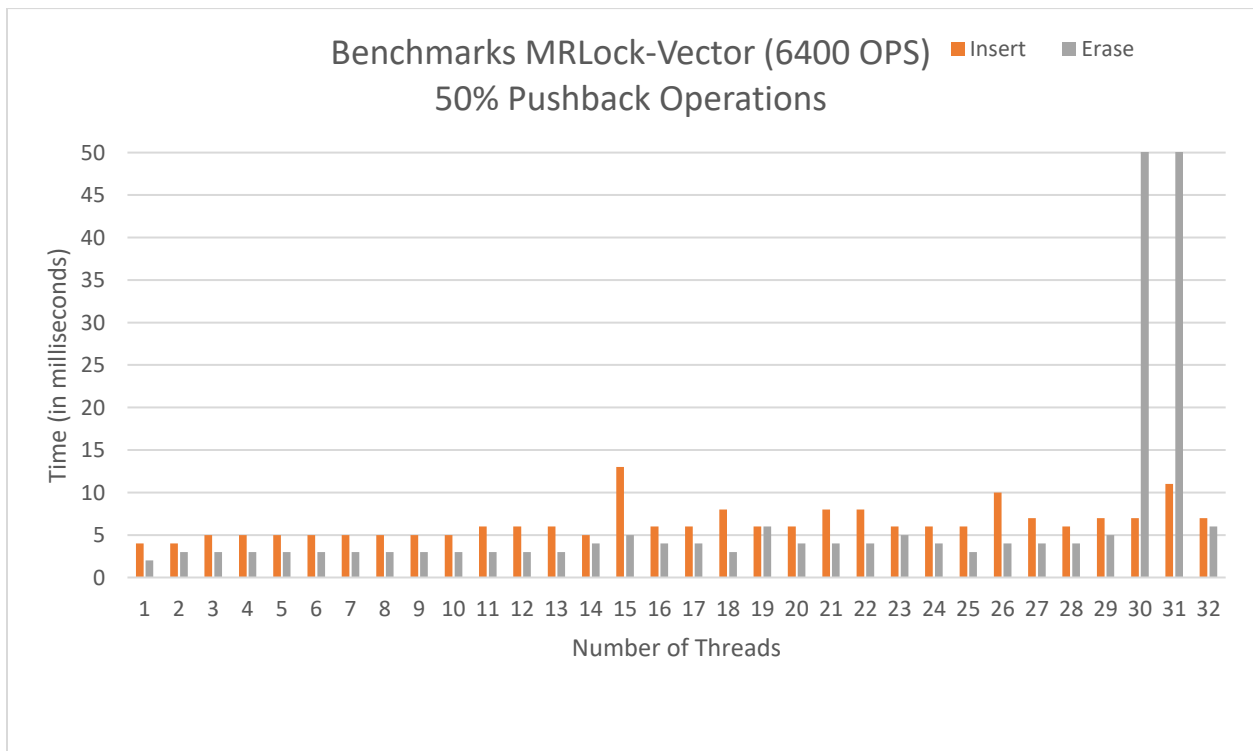
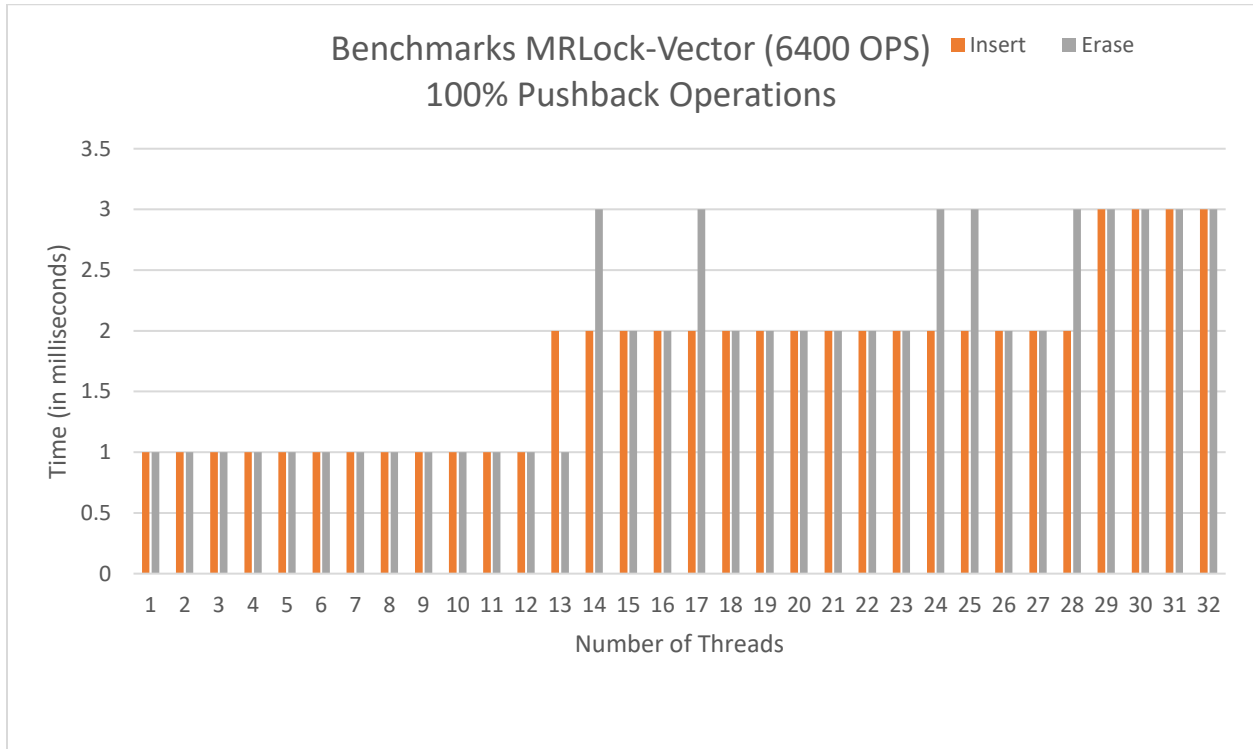
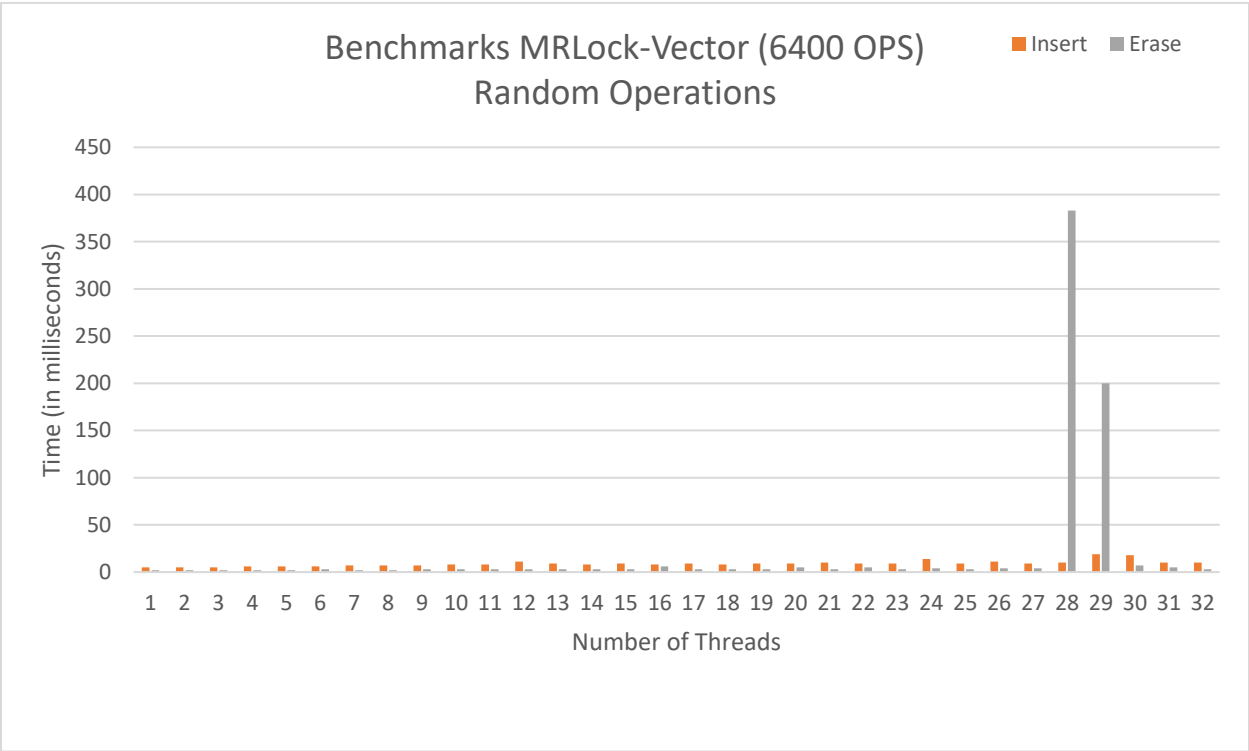
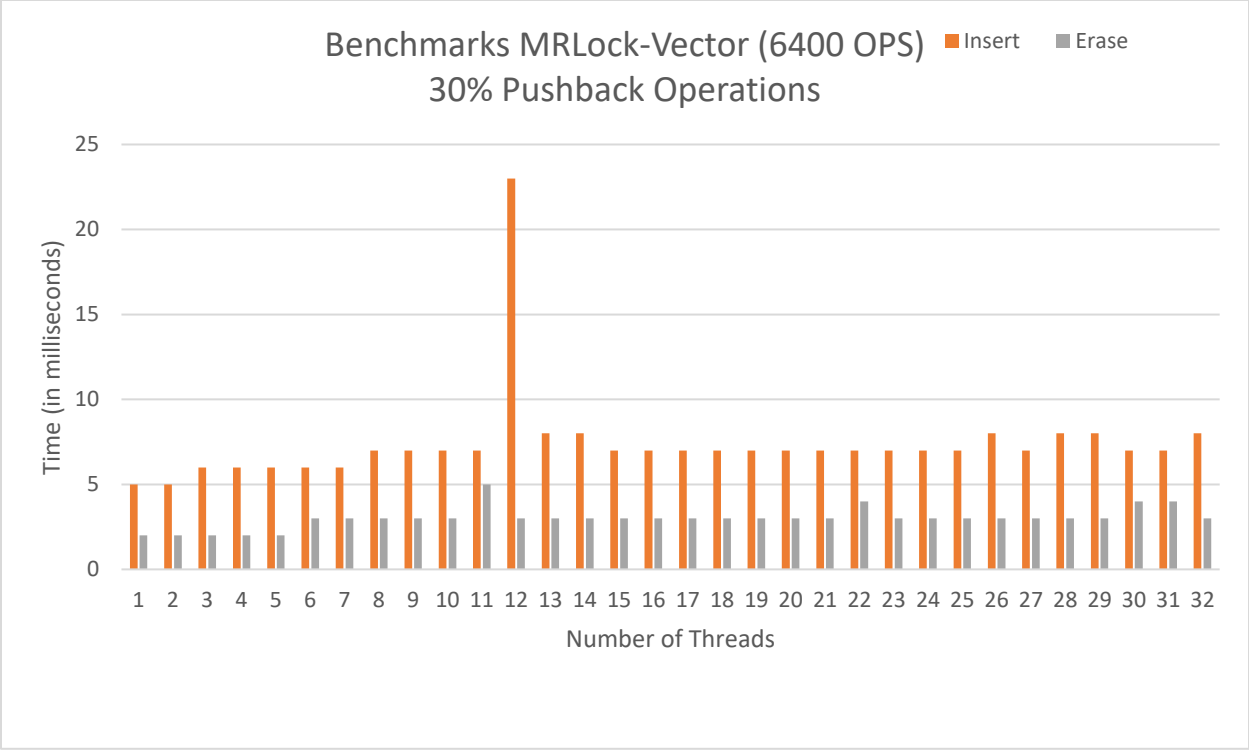
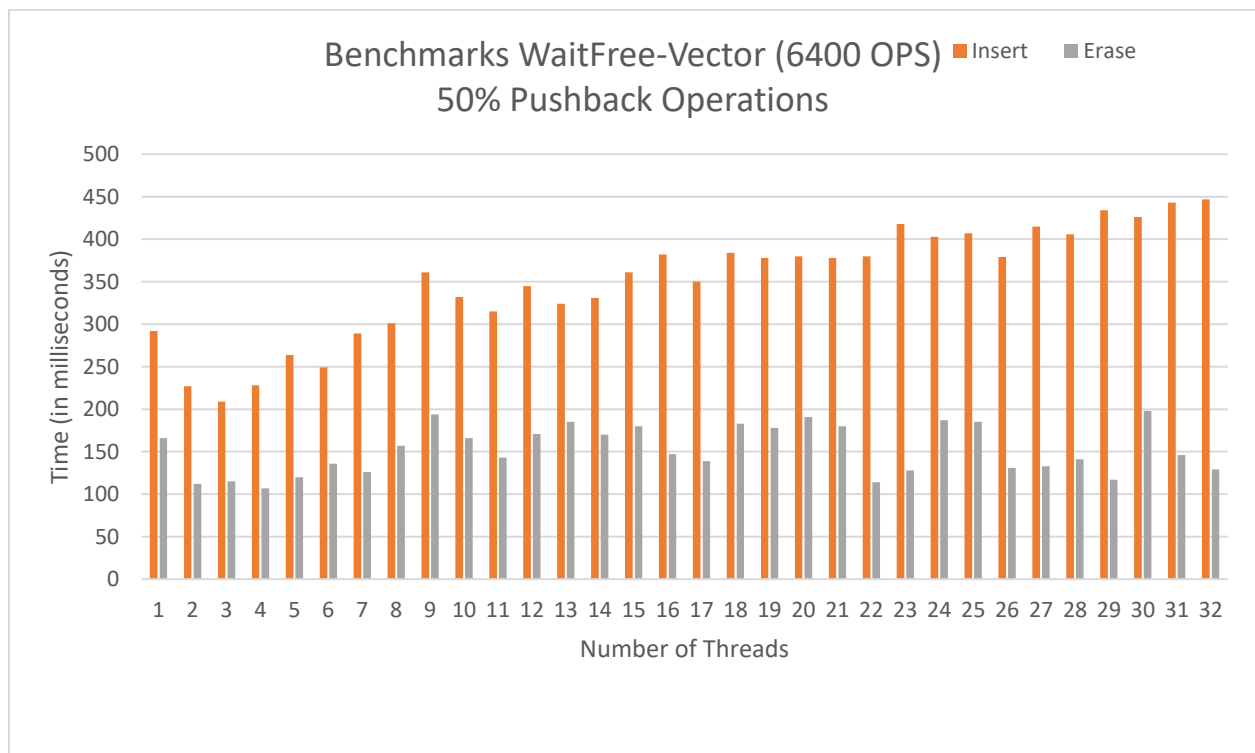
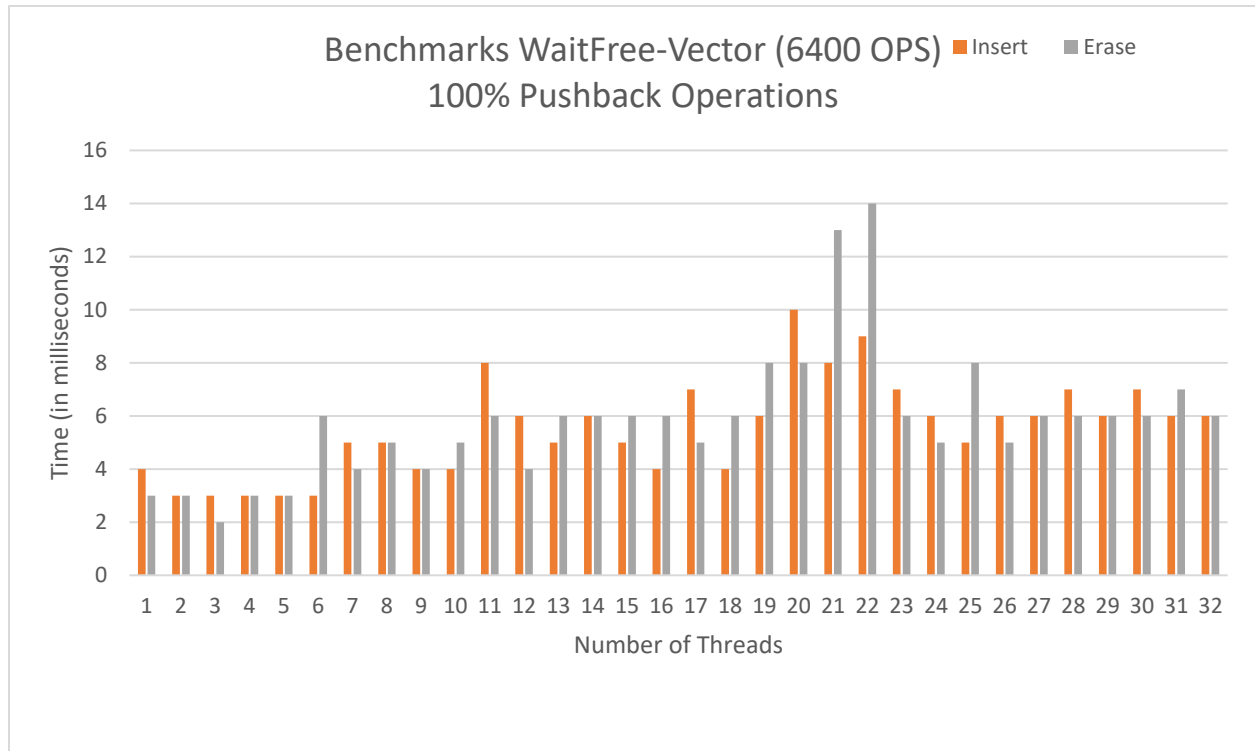


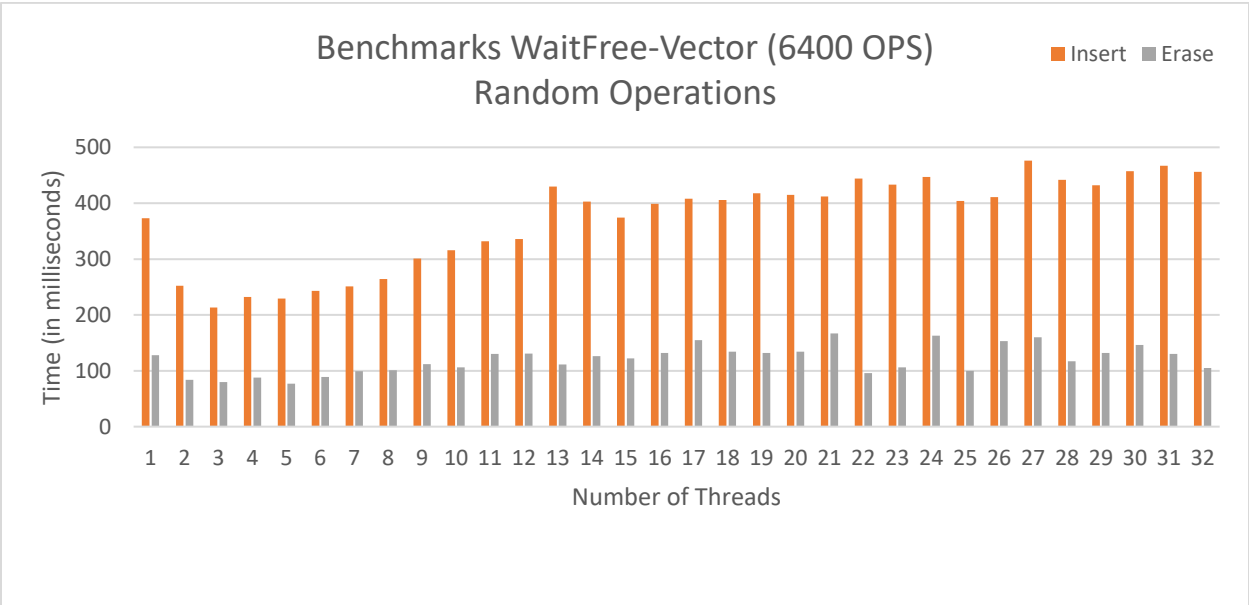
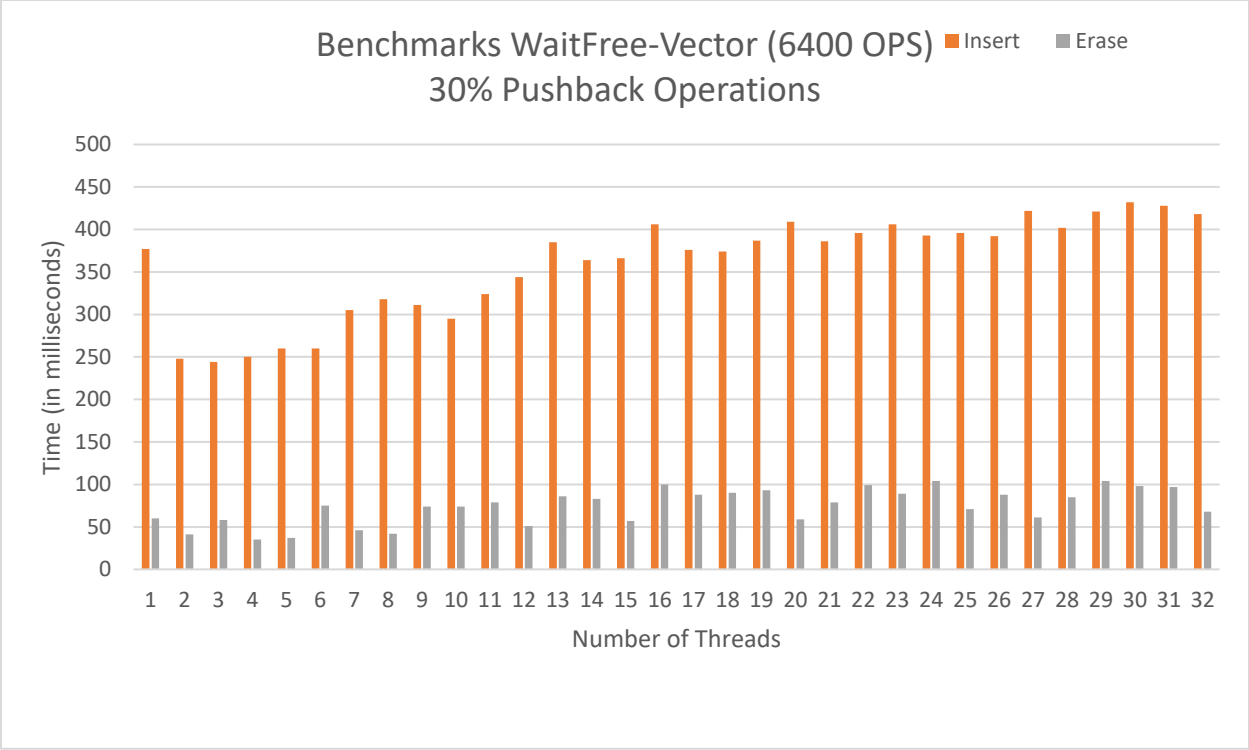
MRLock Vector





WaitFree Vector





Analysis:

The benchmarks were done by modifying the percentage of `push_back()` operations for the first three tests for both types of vectors, and then testing a random distribution of all operations. Insert and erase operations were tested separately for both vectors as the wait-free version cannot support both simultaneously.

Under low contention, the lock-based vector performs much better than the wait-free vector; however, as contention increases, the lock-based vector does not scale well. The wait-free vector on the other hand seems to be more consistent and scales appropriately as contention grows.