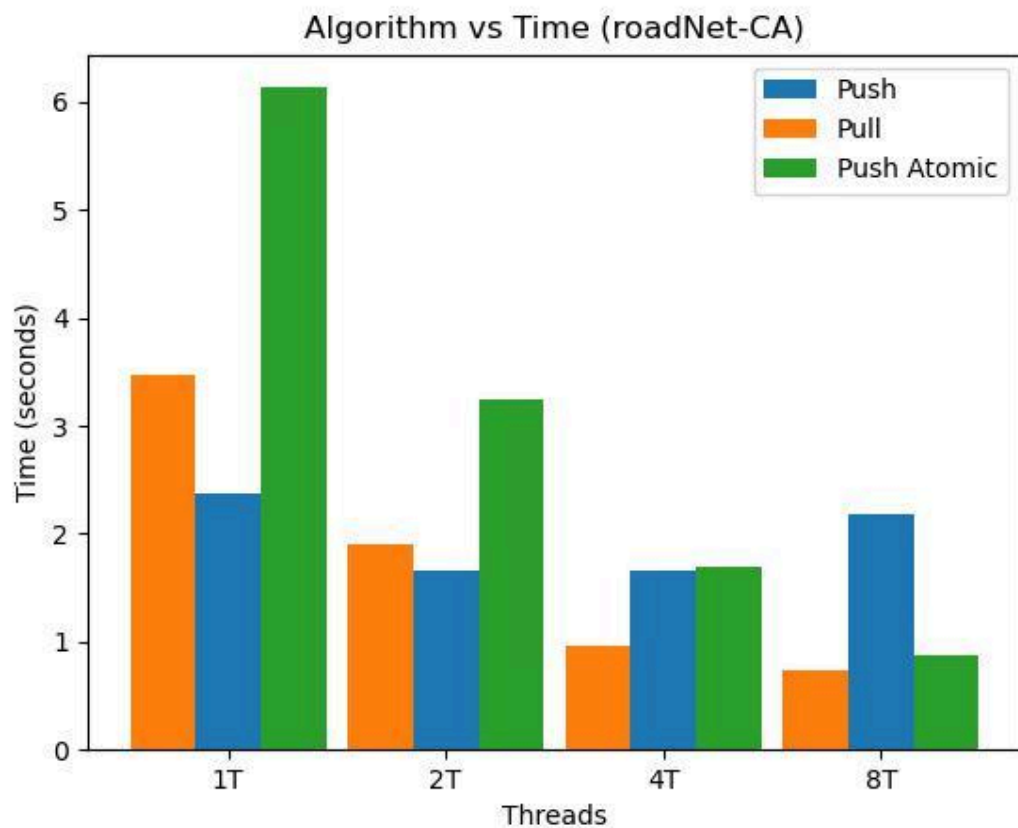Algorithm vs Time (test_25M_50M)

1.

2. Based on data from the graph in Q1, which of the three algorithms is more scalable to larger numbers of threads? And why?

The Pull algorithm is scalable because it performs best with 8 threads. I think it is because that algorithm has the least amount of communication and synchronization between threads so there is limited overhead.

3. Q3. Repeat Q1 for the roadNet-CA dataset and plot a similar graph.

Algorithm vs Time (roadNet-CA)

4. Based on data from the graph in Q3, which of the three algorithms is more scalable to larger numbers of threads? And why?

The Pull algorithm is scalable because it performs best with 8 threads. I think it is because that algorithm has the least amount of communication and synchronization between threads so there is limited overhead.