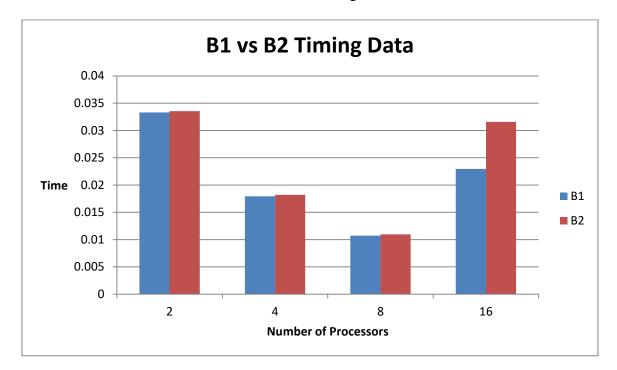
Timing



- 1. MPI\_Reduce is called with a root process of 0. The numbers on each process are summed to the result receive buffer and the root process stores that buffer.
- 2. Runtime is dependent on the size of the ring. With a larger ring size there is a greater communication delay because bandwidth is shared.
- 3. According to my data, ring topology is slower every time.
- 4. In a ring topology, number of messages passed are at least equal to the number of processes.