1 Hands-on; Miscellaneous I

1. **Buffer Limit; Determining the amount of MPI buffering**. A program to determine the amount of buffering that MPI_Send provides.

   - That is, a program that determines <u>how large a message can be sent</u> with MPI_Send <u>without a matching receive</u> at the destination.

2. **Barrier; Benchmarking collective barrier**. A program to measure the time it takes to perform an MPI_Barrier on MPI_COMM_WORLD.

   - Prints the size of MPI_COMM_WORLD and time for each test.
   - How does the performance of MPI_Barrier vary with the size of MPI_COMM_WORLD?

3. **Pingpong**. Study following programs. code28.c, code29.c, code30.c.

4. **Ring**. Study following programs. code31.c, code32.c, code33.c.