

CS3210: Parallel Computing – AY 2013/2014 Semester I

Assignment 2: MPI Basketball

Submission Report
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1. Pseudo-code of your solution for both parts.

Please refer to the following two files in the folder:

- **psuedo_code_match.txt**
- **psuedo_code_training.txt**

2. Diagrams of your communication between the MPI processes, within a round.

I have drawn them online, you can see the diagrams here: bit.ly/CS3210_A02_Diagrams

3. A walkthrough of your design, highlighting the important design decisions, as well as the skills chosen for each player. State your assumptions with justifications (e.g. the starting locations of the players).

I have stated the **design**, **strategies** and **assumptions** in the pseudo-code file listed above.

4. A makefile, or instructions on how to build and run your program, as well as the configuration (machinefile or rankfile) which may be needed to run the program.

There're no makefiles.

To compile the program, simply: `mpicc <filename> -o <outputname>`

To run the program, simply: `mpirun <outputname>`

You can direct the output to a file: `mpirun <outputname> > <output_file_name>`

You can see my sample outputs in the output folder.

5. The average time per round.

In training: $1.832 / 900 = 0.002s$

In match: $2.423s / 5400 = 0.000411$