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322 Concurrency Project
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How to run the 322 Jacobi Project, “jacobi.java”:

The project MUST be run with a file called “input.mtx”, whose dimensions are 2048 by 2048. The project must also be run with an ODD number of threads, ex: 1 thread, 3 threads, 17 threads etc. This is because we need the threads to be evenly divided through all lines of the matrix. The thread number is to be given in the command line arguments. Note that Jgrasp was used to build and run the program. Once ran with a valid number of threads, the program will then print out the number of stages for the dissemination barrier and the number of threads you gave it. One must then wait for about 5 minutes as the program is computed. When the program is done running, the time taken will be printed in nanoseconds. Note that the timer begins right before the creation and running of the threads. The program also creates and writes to a text file called “myoutput.txt” that contains the output matrix values. Also note that the myoutput.txt file writes out all values as doubles, so what would be a 0 value on the original output.mtx value could potentially be 2.254252 to the negative 60th power (for example) in the myoutput.txt file.