Matrix Multiplication  \( P = M \times N \) of size WIDTH x WIDTH

One idea to solve this in parallel is to
   –One thread handles a chunk of P
   –M and N are loaded WIDTH times from global memory

1) write pthread application to perform Matrix multiplication
2) run the application

• Run each program with MxN from 100x100, 500x500, 1000x1000, 3000x3000
• Compare your above results, plot graph (size vs time) and discuss your observations

3) write the same program but in openMP, run the above data set and compare the results.