**CS 521 ML & Compilers Spring 2025 – MP1**

**Student Name: Joyce Au**

**NetID: joyceau2**

**Part 1 CPU**

1.2) **Ablation Study:**

***Insight:*** For the larger matrices (Size =1000), each optimization yields a greater speedup over the naïve version, reflecting that tilting and parallelization pay off more at a significantly greater scale.

1.3) **Scaling Study:**

***Insight:*** one paragraph describing the results above

**Part 2 GPU**

2.2) **Ablation Study:**

***Insight:*** one paragraph describing the results above

2.3) **Scaling Study:**

***Insight:*** one paragraph describing the results above