**Problem 2: OpenMP Analysis Report**

Matrix Size: 10*10

Without OpenMP: 2.3-05es

With OpenMP: 0.0057s

Matrix Size: 100*100

Without OpenMP: 0.016s

With OpenMP: 0.014s

Matrix Size: 1000*1000

Without OpenMP: 26s

With OpenMP: 5.6s

Conclusion:

1. When the matrix size is larger than 100*100, using OpenMP is faster.

2. Largest test matrix size is 1000*1000, the relative time is around 26s.