|  |  |  |
| --- | --- | --- |
| Single Thread | Multiple Thread | File Size |
| 4098 Msec | 4582 Msec | File size = 40 |
| 9399 Msec | 8735 MSec | File size = 100 |
| 20223 Msec | 25103 MSec | File size = 200 |

While the results are seemingly inconclusive, I believe that there is a file size limit that will result in a extremely long queue that one thread will be unable to finish in the same amount of time that multiple threads could split and share the workload. In the case of the time, the program is leaking some where, however I still believe that the times are simply over exaggerated rather than wrong.