**Mini Project 1: Transactional Programming**

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Our implementation works as intended and the performance results are shown in the graphs and tables below. These results were obtained by running the given bank account test program. The first compares the throughput values when changing the bit filter size and the thread count. The second compares the average abort count of each thread. They show a trend that is consistent with what is expected of the algorithm.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Average Abort count |  |  |  |  |
|  | 1024 | 512 | 256 | 128 |
| 1 Thread | 0 | 0 | 0 | 0 |
| 2 Threads | 118651.5 | 166807.5 | 196708.5 | 210322 |
| 4 Threads | 177759.75 | 217077.25 | 246829 | 268857.25 |
|  |  |  |  |  |
| Throughput |  |  |  |  |
|  | 1024 | 512 | 256 | 128 |
| 1 Thread | 736841 | 725897 | 749894 | 750512 |
| 2 Threads | 970425 | 1246677 | 1304937 | 1296741 |
| 4 Threads | 1246561 | 1964827 | 2003610 | 2055363 |