# Assignment 2: Thread Synchronization

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Test Case | Threads | Zero Index | Sequential (ms) | Thread Join (ms) | Busy Wait  (ms) | Semaphore (ms) |
| 1 | 2 | 50M+1 | 240 | 149 | 196 | 0 |
| 2 | 4 | 75M+1 | 239 | 143 | 170 | 0 |
| 3 | 8 | 88M | 240 | 138 | 199 | 1 |
| 4 | 2 | n/a | 239 | 142 | 201 | 0 |
| 5 | 4 | n/a | 240 | 144 | 209 | 1 |
| 6 | 8 | n/a | 240 | 143 | 202 | 1 |