**Concurrent Linked List Performance Comparison**

Performance comparison of Linked List implementation - On Intel core i-7 processor

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Threads** | **Coarse Grained** | **Fine Grained** | **Lazy** | **Optimistic** | **Non-Blocking** |
| 10 | 244 | 976 | 174 | 336 | 208 |
| 11 | 185 | 1013 | 180 | 679 | 121 |
| 12 | 208 | 1095 | 185 | 697 | 96 |
| 13 | 224 | 1208 | 189 | 886 | 111 |
| 14 | 236 | 1284 | 164 | 936 | 110 |
| 15 | 246 | 1314 | 163 | 1076 | 117 |
| 16 | 262 | 1474 | 218 | 1467 | 124 |
| 17 | 276 | 1594 | 242 | 2251 | 166 |
| 18 | 277 | 1657 | 234 | 2601 | 189 |
| 19 | 295 | 1764 | 216 | 3214 | 199 |
| 20 | 333 | 1789 | 203 | 3605 | 148 |
| 21 | 351 | 2015 | 212 | 4034 | 198 |
| 22 | 361 | 1948 | 236 | 4460 | 185 |
| 23 | 373 | 1938 | 240 | 4798 | 159 |
| 24 | 385 | 2205 | 255 | 5158 | 167 |
| 25 | 405 | 2219 | 307 | 6044 | 173 |
| 26 | 427 | 2360 | 352 | 6292 | 175 |
| 27 | 435 | 2604 | 348 | 7093 | 206 |
| 28 | 451 | 2729 | 295 | 8124 | 194 |
| 29 | 470 | 2706 | 328 | 8709 | 205 |
| 30 | 490 | 2766 | 309 | 9500 | 200 |
| 31 | 510 | 2862 | 322 | 12268 | 216 |
| 32 | 528 | 3000 | 327 | 12956 | 228 |
| 33 | 536 | 2889 | 348 | 13988 | 266 |
| 34 | 545 | 2942 | 352 | 13846 | 304 |
| 35 | 567 | 2901 | 368 | 15738 | 319 |
| 36 | 537 | 3341 | 376 | 17132 | 267 |
| 37 | 584 | 3460 | 388 | 17799 | 264 |
| 38 | 603 | 3529 | 405 | 20902 | 281 |
| 39 | 638 | 3624 | 417 | 21386 | 303 |
| 40 | 650 | 3728 | 433 | 25849 | 284 |