Лаб.1

|  |  |  |  |
| --- | --- | --- | --- |
| M \ N | 10 | 100 | 1000 |
| 10 | P 3.362e-4  S 5.89e-05 | P 0.0028379  S 0.0085602 | P 0.134119  S 0.439869 |
| 100 | P 0.0009655  S 0.0021348 | P 0.0214162  S 0.0633333 | P 0.940254  S 4.16321 |
| 1000 | P 0.00437  S 0.0108517 | P 0.115765  S 0.467368 | P 8.68899  S 54.5842 |

Потоков: 10

Лаб.2

|  |  |  |
| --- | --- | --- |
| NMAX | LIMIT | time |
| 10 | 1 | 0.000012 |
| 10 | 10 | 0.000001 |
| 50 | 10 | 0.000022 |
| 50 | 50 | 0.000007 |
| 100 | 50 | 0.000025 |
| 100 | 100 | 0.000031 |
| 200 | 100 | 0.000063 |
| 200 | 200 | 0.000136 |
| 400 | 200 | 0.000134 |
| 400 | 400 | 0.000648 |
| 500 | 400 | 0.000226 |
| 500 | 500 | 0.000970 |

Лаб.3

|  |  |  |
| --- | --- | --- |
|  | Время, c | |
| N | параллельно | последовательно |
| 1000 | 1.21627e-05 | 6.0296e-06 |
| 5000 | 1.96725e-05 | 3.82838e-05 |
| 10000 | 4.25237e-05 | 7.76758e-05 |
| 50000 | 0.000155895 | 0.000629879 |
| 100000 | 0.000306548 | 0.00136361 |
| 500000 | 0.0018135 | 0.00539634 |

Лаб.4

|  |  |  |  |
| --- | --- | --- | --- |
|  | Время, с | | |
| N | atomic | critical | последовательно |
| 1000 | 2.79037e-05 | 0.00022193 | 5.3271e-06 |
| 5000 | 0.000110516 | 0.00128572 | 2.73491e-05 |
| 10000 | 0.000259551 | 0.00241086 | 8.90757e-05 |
| 50000 | 0.00117099 | 0.0103546 | 0.000611156 |
| 100000 | 0.00183538 | 0.0232582 | 0.000943117 |
| 500000 | 0.0116784 | 0.211984 | 0.0129154 |

Лаб.5

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Время, с | | | |
| N | 2 секции | 4 секции | for на 2х потоках | for на 4х потоках |
| 1000 | 3.781e-05 | 5.561e-06 | 1.7024e-05 | 1.6979e-05 |
| 5000 | 7.6112e-05 | 1.7551e-05 | 5.0641e-05 | 4.3351e-05 |
| 10000 | 9.2534e-05 | 2.8711e-05 | 7.4653e-05 | 7.8171e-05 |
| 50000 | 0.000367904 | 0.000177546 | 0.000327026 | 0.000180043 |
| 100000 | 0.000620023 | 0.000349551 | 0.000673807 | 0.00039734 |
| 500000 | 0.00304716 | 0.00255285 | 0.00379145 | 0.00185247 |