|  |  |  |  |
| --- | --- | --- | --- |
| NumberOfElemnts | DataStructure | put() | ds\_put() |
| 100000 | HashMap | 16.47 | HashMap\_Initialized |
| 100000 | HashMap\_Initialized | 7.37 | HashMap\_Initialized |
| 100000 | LinkedHashMap | 12.1 | HashMap\_Initialized |
| 100000 | LinkedHashMap\_Initialized | 8.94 | HashMap\_Initialized |
| 100000 | TreeMap | 55.9 | HashMap\_Initialized |
| 125000 | HashMap | 17.43 | HashMap\_Initialized |
| 125000 | HashMap\_Initialized | 13.75 | HashMap\_Initialized |
| 125000 | LinkedHashMap | 15.49 | HashMap\_Initialized |
| 125000 | LinkedHashMap\_Initialized | 19.14 | HashMap\_Initialized |
| 125000 | TreeMap | 69.02 | HashMap\_Initialized |
| 150000 | HashMap | 20.95 | LinkedHashMap\_Initialized |
| 150000 | HashMap\_Initialized | 11.57 | LinkedHashMap\_Initialized |
| 150000 | LinkedHashMap | 12.27 | LinkedHashMap\_Initialized |
| 150000 | LinkedHashMap\_Initialized | 8.99 | LinkedHashMap\_Initialized |
| 150000 | TreeMap | 76.7 | LinkedHashMap\_Initialized |
| 175000 | HashMap | 29.5 | HashMap\_Initialized |
| 175000 | HashMap\_Initialized | 9.49 | HashMap\_Initialized |
| 175000 | LinkedHashMap | 12.38 | HashMap\_Initialized |
| 175000 | LinkedHashMap\_Initialized | 11.41 | HashMap\_Initialized |
| 175000 | TreeMap | 94.63 | HashMap\_Initialized |
| 200000 | HashMap | 21.21 | HashMap\_Initialized |
| 200000 | HashMap\_Initialized | 15.25 | HashMap\_Initialized |
| 200000 | LinkedHashMap | 24.16 | HashMap\_Initialized |
| 200000 | LinkedHashMap\_Initialized | 17.33 | HashMap\_Initialized |
| 200000 | TreeMap | 117.55 | HashMap\_Initialized |
| 225000 | HashMap | 32.33 | HashMap\_Initialized |
| 225000 | HashMap\_Initialized | 15.83 | HashMap\_Initialized |
| 225000 | LinkedHashMap | 25.9 | HashMap\_Initialized |
| 225000 | LinkedHashMap\_Initialized | 20.5 | HashMap\_Initialized |
| 225000 | TreeMap | 144.34 | HashMap\_Initialized |
| 250000 | HashMap | 36.51 | HashMap\_Initialized |
| 250000 | HashMap\_Initialized | 21.5 | HashMap\_Initialized |
| 250000 | LinkedHashMap | 35.51 | HashMap\_Initialized |
| 250000 | LinkedHashMap\_Initialized | 24.1 | HashMap\_Initialized |
| 250000 | TreeMap | 202.09 | HashMap\_Initialized |
| 275000 | HashMap | 32.81 | HashMap\_Initialized |
| 275000 | HashMap\_Initialized | 22.73 | HashMap\_Initialized |
| 275000 | LinkedHashMap | 37.59 | HashMap\_Initialized |
| 275000 | LinkedHashMap\_Initialized | 25.23 | HashMap\_Initialized |
| 275000 | TreeMap | 195.42 | HashMap\_Initialized |
| 300000 | HashMap | 30.66 | HashMap\_Initialized |
| 300000 | HashMap\_Initialized | 22.2 | HashMap\_Initialized |
| 300000 | LinkedHashMap | 30.91 | HashMap\_Initialized |
| 300000 | LinkedHashMap\_Initialized | 26.71 | HashMap\_Initialized |
| 300000 | TreeMap | 212.92 | HashMap\_Initialized |
| 325000 | HashMap | 55.3 | HashMap\_Initialized |
| 325000 | HashMap\_Initialized | 13.81 | HashMap\_Initialized |
| 325000 | LinkedHashMap | 22.59 | HashMap\_Initialized |
| 325000 | LinkedHashMap\_Initialized | 18.1 | HashMap\_Initialized |
| 325000 | TreeMap | 218.6 | HashMap\_Initialized |
| 350000 | HashMap | 33.62 | HashMap\_Initialized |
| 350000 | HashMap\_Initialized | 18.87 | HashMap\_Initialized |
| 350000 | LinkedHashMap | 25.65 | HashMap\_Initialized |
| 350000 | LinkedHashMap\_Initialized | 20.81 | HashMap\_Initialized |
| 350000 | TreeMap | 281.22 | HashMap\_Initialized |
| 375000 | HashMap | 29.82 | HashMap\_Initialized |
| 375000 | HashMap\_Initialized | 25.79 | HashMap\_Initialized |
| 375000 | LinkedHashMap | 33.91 | HashMap\_Initialized |
| 375000 | LinkedHashMap\_Initialized | 31.14 | HashMap\_Initialized |
| 375000 | TreeMap | 303.4 | HashMap\_Initialized |
| 400000 | HashMap | 39.51 | HashMap\_Initialized |
| 400000 | HashMap\_Initialized | 26.32 | HashMap\_Initialized |
| 400000 | LinkedHashMap | 50.8 | HashMap\_Initialized |
| 400000 | LinkedHashMap\_Initialized | 29.17 | HashMap\_Initialized |
| 400000 | TreeMap | 320.92 | HashMap\_Initialized |
| 425000 | HashMap | 39.32 | HashMap\_Initialized |
| 425000 | HashMap\_Initialized | 29.24 | HashMap\_Initialized |
| 425000 | LinkedHashMap | 51.2 | HashMap\_Initialized |
| 425000 | LinkedHashMap\_Initialized | 32.03 | HashMap\_Initialized |
| 425000 | TreeMap | 372.07 | HashMap\_Initialized |
| 450000 | HashMap | 48.03 | HashMap\_Initialized |
| 450000 | HashMap\_Initialized | 27.52 | HashMap\_Initialized |
| 450000 | LinkedHashMap | 47.37 | HashMap\_Initialized |
| 450000 | LinkedHashMap\_Initialized | 33.41 | HashMap\_Initialized |
| 450000 | TreeMap | 379.17 | HashMap\_Initialized |
| 475000 | HashMap | 51.74 | HashMap\_Initialized |
| 475000 | HashMap\_Initialized | 30.62 | HashMap\_Initialized |
| 475000 | LinkedHashMap | 49.2 | HashMap\_Initialized |
| 475000 | LinkedHashMap\_Initialized | 36.08 | HashMap\_Initialized |
| 475000 | TreeMap | 504.18 | HashMap\_Initialized |
| 500000 | HashMap | 68.93 | HashMap\_Initialized |
| 500000 | HashMap\_Initialized | 40.2 | HashMap\_Initialized |
| 500000 | LinkedHashMap | 59.11 | HashMap\_Initialized |
| 500000 | LinkedHashMap\_Initialized | 46.66 | HashMap\_Initialized |
| 500000 | TreeMap | 588.09 | HashMap\_Initialized |
| 525000 | HashMap | 56.47 | HashMap\_Initialized |
| 525000 | HashMap\_Initialized | 38.01 | HashMap\_Initialized |
| 525000 | LinkedHashMap | 56.49 | HashMap\_Initialized |
| 525000 | LinkedHashMap\_Initialized | 90.41 | HashMap\_Initialized |
| 525000 | TreeMap | 606.24 | HashMap\_Initialized |
| 550000 | HashMap | 71.96 | HashMap\_Initialized |
| 550000 | HashMap\_Initialized | 50.81 | HashMap\_Initialized |
| 550000 | LinkedHashMap | 80.63 | HashMap\_Initialized |
| 550000 | LinkedHashMap\_Initialized | 58.0 | HashMap\_Initialized |
| 550000 | TreeMap | 711.67 | HashMap\_Initialized |
| 575000 | HashMap | 76.29 | HashMap\_Initialized |
| 575000 | HashMap\_Initialized | 48.71 | HashMap\_Initialized |
| 575000 | LinkedHashMap | 72.95 | HashMap\_Initialized |
| 575000 | LinkedHashMap\_Initialized | 61.74 | HashMap\_Initialized |
| 575000 | TreeMap | 737.19 | HashMap\_Initialized |