|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| type | operation | count | totalTime | middleTime |
| ArrayList | add | 10 | 28 148 | 2 814 |
| HashMap | put | 10 | 148 824 | 14 882 |
| ArrayList | add | 100 | 142 284 | 1 422 |
| HashMap | put | 100 | 459 320 | 4 593 |
| ArrayList | add | 1000 | 1 050 596 | 1 050 |
| HashMap | put | 1000 | 3 122 060 | 3 122 |
| ArrayList | add | 10 000 | 5 309 936 | 530 |
| HashMap | put | 10 000 | 17 469 284 | 1 746 |
| ArrayList | add | 100 000 | 34 443 504 | 344 |
| HashMap | put | 100 000 | 125 031 068 | 1 250 |
| ArrayList | remove | 1 | 15 356 | 15 356 |
| HashMap | remove | 1 | 13 892 | 13 892 |
| ArrayList | remove | 10 | 199 308 | 19 930 |
| HashMap | remove | 10 | 53 400 | 5 340 |
| ArrayList | remove | 100 | 5 551 604 | 55 516 |
| HashMap | remove | 100 | 601 196 | 6 011 |
| ArrayList | remove | 1000 | 16 052 132 | 16 052 |
| HashMap | remove | 1000 | 3 692 724 | 3 692 |
| ArrayList | remove | 10 000 | 778 440 720 | 77 844 |
| HashMap | remove | 10 000 | 25 647 252 | 2 564 |