Load Factor: 0.5

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| --- | --- | --- |
| Size | HashSet | Cuckoo Hashing |
| 1000000 | Time: 616 msec.  Memory: 74 MB / 570 MB | Time: 1529 msec.  Memory: 218 MB / 1467 MB |
| 2000000 | Time: 1854 msec.  Memory: 141 MB / 570 MB | Time: 4304 msec.  Memory: 437 MB / 1544 MB |
| 3000000 | Time: 3342 msec.  Memory: 192 MB / 570 MB | Time: 8526 msec.  Memory: 817 MB / 2396 MB |
| 4000000 | Time: 7609 msec.  Memory: 271 MB / 2048 MB | Time: 11879 msec.  Memory: 851 MB / 2191 MB |
| 5000000 | Time: 10827 msec.  Memory: 322 MB / 2048 MB | Time: 20382 msec.  Memory: 1571 MB / 2487 MB |
| 8000000 | Time: 20601 msec.  Memory: 537 MB / 2048 MB | Time: 28793 msec.  Memory: 1354 MB / 2476 MB |
| 10000000 | Time: 29723 msec.  Memory: 636 MB / 3072 MB | Time: 50113 msec.  Memory: 2411 MB / 3072 MB |

Load Factor: 0.75

|  |  |  |
| --- | --- | --- |
| Size | HashSet | Cuckoo Hashing |
| 1000000 | Time: 980 msec.  Memory: 73 MB / 414 MB | Time: 2700 msec.  Memory: 234 MB / 1311 MB |
| 2000000 | Time: 2309 msec.  Memory: 142 MB / 430 MB | Time: 6029 msec.  Memory: 462 MB / 1854 MB |
| 3000000 | Time: 4738 msec.  Memory: 194 MB / 570 MB | Time: 7798 msec.  Memory: 501 MB / 1957 MB |
| 4000000 | Time: 9131 msec.  Memory: 271 MB / 2048 MB | Time: 13631 msec.  Memory: 897 MB / 2203 MB |
| 5000000 | Time: 10189 msec.  Memory: 323 MB / 2048 MB | Time: 16530 msec.  Memory: 941 MB / 2245 MB |
| 8000000 | Time: 19966 msec.  Memory: 536 MB / 2048 MB | Time: 31403 msec.  Memory: 1380 MB / 2457 MB |
| 10000000 | Time: 28245 msec.  Memory: 636 MB / 3072 MB | Time: 39013 msec.  Memory: 1875 MB / 3072 MB |

Load Factor: 0.9

|  |  |  |
| --- | --- | --- |
| Size | HashSet | Cuckoo Hashing |
| 1000000 | Time: 855x msec.  Memory: 73 MB / 488 MB | Time: 2327 msec.  Memory: 240 MB / 1335 MB |
| 2000000 | Time: 1966 msec.  Memory: 142 MB / 508 MB | Time: 4839 msec.  Memory: 475 MB / 2015 MB |
| 3000000 | Time: 3645 msec.  Memory: 195 MB / 570 MB | Time: 6639 msec.  Memory: 514 MB / 1949 MB |
| 4000000 | Time: 7075 msec.  Memory: 271 MB / 2048 MB | Time: 12270 msec.  Memory: 925 MB / 2222 MB |
| 5000000 | Time: 9981 msec.  Memory: 332 MB / 2048 MB | Time: 15430 msec.  Memory: 969 MB / 2260 MB |
| 8000000 | Time: 19516 msec.  Memory: 536 MB / 2048 MB | Time: 31102 msec.  Memory: 1438 MB / 2565 MB |
| 10000000 | Time: 28317 msec.  Memory: 636 MB / 3072 MB | Time: 40023 msec.  Memory: 1931 MB / 3072 MB |