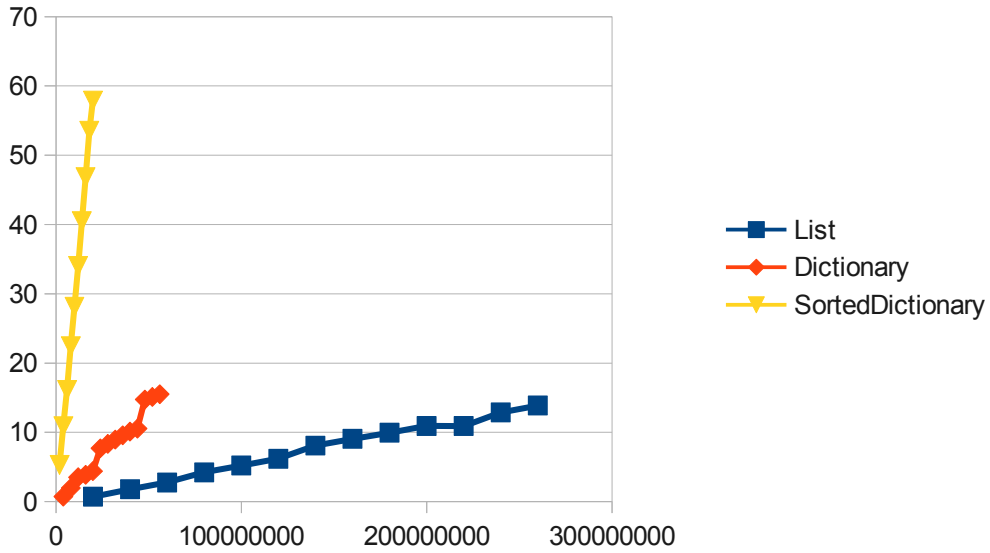
| | Index | Time |
|---|---|---|
| **Insertions** | | |
| **List** | | |
| | 20000000 | 0.7049075 |
| | 40000000 | 1.7759899 |
| | 60000000 | 2.7518046 |
| | 80000000 | 4.227278 |
| | 100000000 | 5.2050377 |
| | 120000000 | 6.1855636 |
| | 140000000 | 8.0776376 |
| | 160000000 | 9.060241 |
| | 180000000 | 9.942717 |
| | 200000000 | 10.9190448 |
| | 220000000 | 10.8947297 |
| | 240000000 | 12.8756862 |
| | 260000000 | 13.8681684 |
| **Dictionary** | | |
| | 4000000 | 0.7234762 |
| | 8000000 | 1.9502095 |
| | 12000000 | 3.5036632 |
| | 16000000 | 3.8534534 |
| | 20000000 | 4.4046405 |
| | 24000000 | 7.7001376 |
| | 28000000 | 8.323778 |
| | 32000000 | 8.9441731 |
| | 36000000 | 9.562052 |
| | 40000000 | 10.0965528 |
| | 44000000 | 10.5388692 |
| | 48000000 | 14.7286891 |
| | 52000000 | 15.0995761 |
| | 56000000 | 15.4976258 |
| **SortedDictionary** | | |
| | 2000000 | 5.276972 |
| | 4000000 | 10.874548 |
| | 6000000 | 16.1242237 |
| | 8000000 | 22.436516 |
| | 10000000 | 28.1234827 |
| | 12000000 | 33.9935627 |
| | 14000000 | 40.4656913 |
| | 16000000 | 46.8426553 |
| | 18000000 | 53.5343013 |
| | 20000000 | 57.8953807 |




**Lookups**

**List**

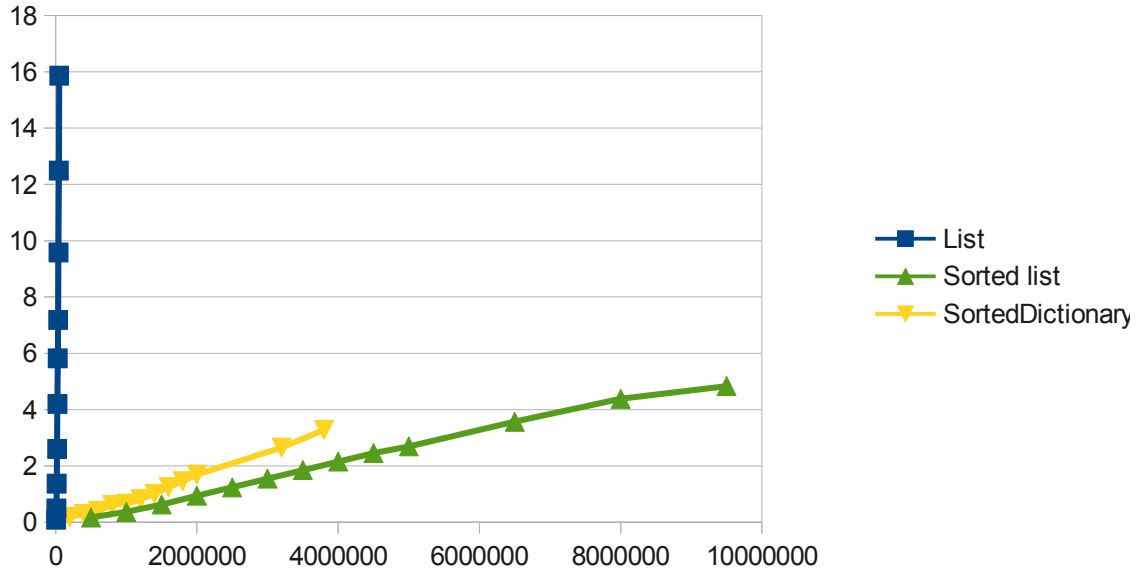
| | |
|---|---|
| 5000 | 0.0884487 |
| 10000 | 0.4907978 |
| 15000 | 1.3678879 |
| 20000 | 2.5975867 |
| 25000 | 4.1985368 |
| 30000 | 5.819979 |
| 35000 | 7.1853852 |
| 40000 | 9.5815498 |
| 45000 | 12.4891272 |
| 50000 | 15.8624392 |

**Dictionary**

| | |
|---|---|
| 50000000 | 5.32974 |
| 100000000 | 11.5676125 |
| 150000000 | 16.8659917 |
| 200000000 | 22.7136303 |
| 250000000 | 28.7786009 |
| 300000000 | 34.8543884 |
| 350000000 | 40.9373149 |
| 400000000 | 46.9851185 |
| 450000000 | 53.0402733 |
| 500000000 | 59.0970664 |

**SortedDictionary**

| | |
|---|---|
| 200000 | 0.1867804 |
| 400000 | 0.2943282 |
| 600000 | 0.4000301 |

| | | |
|---|---|---|
| | 800000 | 0.6163778 |
| | 1000000 | 0.6562733 |
| | 1200000 | 0.8176596 |
| | 1400000 | 1.0145614 |
| | 1600000 | 1.2426269 |
| | 1800000 | 1.4560669 |
| | 2000000 | 1.6866928 |
| | 3200000 | 2.6479533 |
| | 3800000 | 3.2796632 |
| **Sorted list** | 500000 | 0.1679782 |
| | 1000000 | 0.3665474 |
| | 1500000 | 0.6281458 |
| | 2000000 | 0.9374865 |
| | 2500000 | 1.2405483 |
| | 3000000 | 1.5478143 |
| | 3500000 | 1.8515309 |
| | 4000000 | 2.1538264 |
| | 4500000 | 2.4547035 |
| | 5000000 | 2.6916142 |
| | 6500000 | 3.5705828 |
| | 8000000 | 4.3846846 |
| | 9500000 | 4.8322453 |

Equation for dictionary: f(x) = 1.19461459212121E-007x - 0.8349275933
$R^2$ = 0.9998119556