

DATA FILE

Format :- 1000 unique key insertions
100 successful searches along with probes
100 deletes
100 successful searches along with probes
100 unsuccessful searches along with probes

Table 1 [size 1024]

Inserting key: 16808 at Index: 0
Inserting key: 2475250 at Index: 37
Inserting key: 2650074 at Index: 40
Inserting key: 4943659 at Index: 75
Inserting key: 4108931 at Index: 62
Inserting key: 211273 at Index: 3
Inserting key: 1027545 at Index: 15
Inserting key: 7850879 at Index: 119
Inserting key: 8777924 at Index: 133
Inserting key: 7237710 at Index: 110
Inserting key: 3564441 at Index: 54
Inserting key: 5438166 at Index: 82
Inserting key: 4484493 at Index: 68
Inserting key: 4243043 at Index: 64
Inserting key: 4807988 at Index: 73
Inserting key: 7522504 at Index: 114
Inserting key: 1282328 at Index: 19
Inserting key: 6531730 at Index: 99
Inserting key: 3378841 at Index: 51
Inserting key: 3542613 at Index: 225
Inserting key: 6544304 at Index: 964
Inserting key: 4833170 at Index: 878
Inserting key: 4817710 at Index: 678
Inserting key: 8097158 at Index: 123
Inserting key: 7129561 at Index: 108
Inserting key: 1570934 at Index: 23
Inserting key: 7493100 at Index: 36
Inserting key: 4280279 at Index: 65
Inserting key: 3351817 at Index: 582
Inserting key: 5795336 at Index: 88
Inserting key: 4899098 at Index: 74
Inserting key: 6807827 at Index: 103
Inserting key: 3613513 at Index: 55
Inserting key: 1929268 at Index: 29
Inserting key: 723811 at Index: 11
Inserting key: 4877634 at Index: 719
Inserting key: 8580980 at Index: 130
Inserting key: 4379150 at Index: 66
Inserting key: 8236580 at Index: 125
Inserting key: 4558822 at Index: 69
Inserting key: 511968 at Index: 7
Inserting key: 10673 at Index: 867
Inserting key: 1901394 at Index: 706
Inserting key: 7819337 at Index: 266
Inserting key: 9125486 at Index: 139
Inserting key: 6091746 at Index: 92
Inserting key: 6425229 at Index: 98
Inserting key: 9894092 at Index: 150

Inserting key: 5640195 at Index: 86
Inserting key: 7186358 at Index: 109
Inserting key: 6035002 at Index: 209
Inserting key: 5921154 at Index: 90
Inserting key: 616709 at Index: 9
Inserting key: 357945 at Index: 5
Inserting key: 1515669 at Index: 322
Inserting key: 7571491 at Index: 115
Inserting key: 4788125 at Index: 900
Inserting key: 7702197 at Index: 117
Inserting key: 2509531 at Index: 38
Inserting key: 60904 at Index: 977
Inserting key: 2727723 at Index: 41
Inserting key: 3454667 at Index: 52
Inserting key: 8728550 at Index: 31
Inserting key: 5118025 at Index: 78
Inserting key: 8797802 at Index: 134
Inserting key: 806854 at Index: 12
Inserting key: 1540978 at Index: 764
Inserting key: 4847409 at Index: 684
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Inserting key: 5260299 at Index: 126
Inserting key: 4938982 at Index: 536
Inserting key: 5028636 at Index: 76
Inserting key: 2408014 at Index: 193
Inserting key: 7623866 at Index: 116
Inserting key: 7389815 at Index: 112
Inserting key: 739064 at Index: 508
Inserting key: 7554537 at Index: 70
Inserting key: 5339426 at Index: 81
Inserting key: 4001670 at Index: 61
Inserting key: 7724116 at Index: 286
Inserting key: 9220095 at Index: 140
Inserting key: 4075630 at Index: 283
Inserting key: 8446502 at Index: 128
Inserting key: 4546518 at Index: 1010
Inserting key: 1934196 at Index: 774
Inserting key: 1030106 at Index: 889
Inserting key: 7810405 at Index: 834
Inserting key: 6319452 at Index: 96
Inserting key: 8194299 at Index: 628
Inserting key: 782189 at Index: 742
Inserting key: 7821124 at Index: 768
Inserting key: 3799506 at Index: 57
Inserting key: 2246883 at Index: 34
Inserting key: 9406753 at Index: 143
Inserting key: 6731567 at Index: 102
Inserting key: 4936717 at Index: 129
Inserting key: 7130338 at Index: 561
Inserting key: 8354439 at Index: 398
Inserting key: 2053145 at Index: 184
Inserting key: 3851502 at Index: 58
Inserting key: 4844898 at Index: 782
Inserting key: 6783872 at Index: 872
Inserting key: 2955829 at Index: 45
Inserting key: 1111138 at Index: 1
Inserting key: 7619359 at Index: 691
Inserting key: 3153178 at Index: 48
Inserting key: 982398 at Index: 14

Inserting key: 7722295 at Index: 740
Inserting key: 477905 at Index: 426
Inserting key: 1621610 at Index: 24
Inserting key: 6946232 at Index: 105
Inserting key: 959746 at Index: 531
Inserting key: 2844176 at Index: 43
Inserting key: 1853636 at Index: 28
Inserting key: 8266299 at Index: 245
Inserting key: 3098143 at Index: 47
Inserting key: 6880400 at Index: 104
Inserting key: 4827969 at Index: 716
Inserting key: 90413 at Index: 604
Inserting key: 5400261 at Index: 477
Inserting key: 9673558 at Index: 147
Inserting key: 6441595 at Index: 345
Inserting key: 9688009 at Index: 953
Inserting key: 7716396 at Index: 206
Inserting key: 4325969 at Index: 229
Inserting key: 4119114 at Index: 211
Inserting key: 5204531 at Index: 79
Inserting key: 8471007 at Index: 1023
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Inserting key: 2842083 at Index: 896
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Inserting key: 3185696 at Index: 113
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Inserting key: 7248591 at Index: 525
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Inserting key: 4314739 at Index: 296
Inserting key: 8153058 at Index: 124
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Inserting key: 1620204 at Index: 497
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Deleted key: 2062768 at Index: 737
Deleted key: 8456302 at Index: 350
Deleted key: 8120095 at Index: 698
Deleted key: 4639790 at Index: 163
Deleted key: 3015681 at Index: 49
Deleted key: 4303456 at Index: 258
Deleted key: 4170964 at Index: 63
Deleted key: 3963250 at Index: 801
Deleted key: 3602332 at Index: 879
Deleted key: 760809 at Index: 990
Deleted key: 5645204 at Index: 895
Deleted key: 2395420 at Index: 605
Deleted key: 687930 at Index: 10
Deleted key: 8588261 at Index: 131
Deleted key: 7204201 at Index: 832

Deleted key: 6421565 at Index: 97
Deleted key: 5925151 at Index: 665
Deleted key: 1938555 at Index: 276
Deleted key: 4102505 at Index: 785
Deleted key: 3034749 at Index: 297
Deleted key: 8725130 at Index: 687
Deleted key: 1578554 at Index: 375
Deleted key: 1650448 at Index: 25
Deleted key: 3045323 at Index: 965
Deleted key: 5170054 at Index: 859
Deleted key: 7784631 at Index: 852
Deleted key: 7495371 at Index: 521
Found key: 211273 at index: 3| number of probes: 331
Found key: 3564441 at index: 54| number of probes: 333
Found key: 8236580 at index: 125| number of probes: 335
Found key: 511968 at index: 7| number of probes: 337
Found key: 7819337 at index: 266| number of probes: 340
Found key: 357945 at index: 5| number of probes: 343
Found key: 4788125 at index: 900| number of probes: 346
Found key: 2727723 at index: 41| number of probes: 349
Found key: 3454667 at index: 52| number of probes: 351
Found key: 1540978 at index: 764| number of probes: 354
Found key: 2408014 at index: 193| number of probes: 358
Found key: 7389815 at index: 112| number of probes: 360
Found key: 7724116 at index: 286| number of probes: 363
Found key: 1934196 at index: 774| number of probes: 367
Found key: 7810405 at index: 834| number of probes: 371
Found key: 2246883 at index: 34| number of probes: 374
Found key: 7130338 at index: 561| number of probes: 377
Found key: 2053145 at index: 184| number of probes: 383
Found key: 2955829 at index: 45| number of probes: 388
Found key: 111138 at index: 1| number of probes: 390
Found key: 7722295 at index: 740| number of probes: 393
Found key: 9673558 at index: 147| number of probes: 396
Found key: 9688009 at index: 953| number of probes: 400
Found key: 8471007 at index: 1023| number of probes: 406
Found key: 4797943 at index: 56| number of probes: 410
Found key: 2633822 at index: 418| number of probes: 415
Found key: 8153058 at index: 124| number of probes: 418
Found key: 7819791 at index: 181| number of probes: 422
Found key: 1437336 at index: 21| number of probes: 425
Found key: 5583455 at index: 85| number of probes: 427
Found key: 5896221 at index: 148| number of probes: 430
Found key: 4987845 at index: 983| number of probes: 434
Found key: 3436551 at index: 67| number of probes: 438
Found key: 1894886 at index: 1001| number of probes: 442
Found key: 6531969 at index: 870| number of probes: 446
Found key: 2663535 at index: 263| number of probes: 450
Found key: 1024153 at index: 629| number of probes: 455
Found key: 8087693 at index: 406| number of probes: 460
Found key: 8489554 at index: 294| number of probes: 464
Found key: 7273378 at index: 947| number of probes: 468
Found key: 2822762 at index: 256| number of probes: 472
Found key: 2777 at index: 435| number of probes: 476
Found key: 9997440 at index: 152| number of probes: 479
Found key: 1300561 at index: 182| number of probes: 482
Found key: 2851408 at index: 204| number of probes: 486
Found key: 5586677 at index: 576| number of probes: 490
Found key: 1277845 at index: 830| number of probes: 494
Found key: 9636776 at index: 996| number of probes: 498

Found key: 1995224 at index: 975| number of probes: 502
Found key: 4991546 at index: 310| number of probes: 507
Found key: 8134257 at index: 351| number of probes: 511
Found key: 8306649 at index: 919| number of probes: 517
Found key: 7225551 at index: 940| number of probes: 524
Found key: 6541977 at index: 713| number of probes: 529
Found key: 659379 at index: 881| number of probes: 533
Found key: 2265484 at index: 827| number of probes: 537
Found key: 8264608 at index: 577| number of probes: 543
Found key: 6755177 at index: 826| number of probes: 549
Found key: 280367 at index: 611| number of probes: 553
Found key: 2883017 at index: 958| number of probes: 557
Found key: 2696577 at index: 812| number of probes: 561
Found key: 7221712 at index: 849| number of probes: 567
Found key: 6474820 at index: 235| number of probes: 571
Found key: 8620592 at index: 228| number of probes: 575
Found key: 2976198 at index: 954| number of probes: 579
Found key: 5054874 at index: 695| number of probes: 584
Found key: 2861201 at index: 334| number of probes: 588
Found key: 9777255 at index: 149| number of probes: 591
Found key: 4014916 at index: 710| number of probes: 594
Found key: 5293948 at index: 841| number of probes: 598
Found key: 7837108 at index: 992| number of probes: 602
Found key: 8984927 at index: 137| number of probes: 605
Found key: 561114 at index: 957| number of probes: 608
Found key: 2968419 at index: 756| number of probes: 612
Found key: 8342586 at index: 244| number of probes: 616
Found key: 3313730 at index: 183| number of probes: 620
Found key: 8860918 at index: 590| number of probes: 626
Found key: 2547748 at index: 257| number of probes: 633
Found key: 3245270 at index: 478| number of probes: 639
Found key: 4711749 at index: 722| number of probes: 643
Found key: 7424386 at index: 886| number of probes: 647
Found key: 7673931 at index: 419| number of probes: 652
Found key: 739825 at index: 1006| number of probes: 656
Found key: 4285133 at index: 476| number of probes: 660
Found key: 7603951 at index: 595| number of probes: 664
Found key: 9135232 at index: 396| number of probes: 668
Found key: 213901 at index: 569| number of probes: 673
Found key: 3481259 at index: 401| number of probes: 680
Found key: 3423935 at index: 818| number of probes: 684
Found key: 6941833 at index: 380| number of probes: 689
Found key: 8433550 at index: 471| number of probes: 695
Found key: 1915880 at index: 912| number of probes: 701
Found key: 6082724 at index: 421| number of probes: 705
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Found key: 1687231 at index: 408| number of probes: 722
Found key: 4270777 at index: 436| number of probes: 726
Found key: 6666772 at index: 224| number of probes: 732
Found key: 3869941 at index: 550| number of probes: 735
Found key: 3427206 at index: 833| number of probes: 739
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key: 4108931 not found| number of probes: 789
key: 7237710 not found| number of probes: 794
key: 4484493 not found| number of probes: 898
key: 4243043 not found| number of probes: 929
key: 3378841 not found| number of probes: 959
key: 8097158 not found| number of probes: 1033
key: 7493100 not found| number of probes: 1066

key: 3351817 not found	number of probes: 1086
key: 6807827 not found	number of probes: 1199
key: 1929268 not found	number of probes: 1213
key: 4877634 not found	number of probes: 1291
key: 4379150 not found	number of probes: 1316
key: 1901394 not found	number of probes: 1341
key: 9894092 not found	number of probes: 1347
key: 5640195 not found	number of probes: 1402
key: 6035002 not found	number of probes: 1475
key: 5921154 not found	number of probes: 1534
key: 7571491 not found	number of probes: 1629
key: 60904 not found	number of probes: 1672
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key: 4847409 not found	number of probes: 1703
key: 4938982 not found	number of probes: 1781
key: 739064 not found	number of probes: 1809
key: 9220095 not found	number of probes: 2053
key: 4546518 not found	number of probes: 2237
key: 8194299 not found	number of probes: 2295
key: 7821124 not found	number of probes: 2316
key: 6731567 not found	number of probes: 2383
key: 3851502 not found	number of probes: 2527
key: 4844898 not found	number of probes: 2539
key: 6783872 not found	number of probes: 2552
key: 3153178 not found	number of probes: 2586
key: 6946232 not found	number of probes: 2597
key: 2844176 not found	number of probes: 2703
key: 8266299 not found	number of probes: 2806
key: 3098143 not found	number of probes: 2852
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key: 6441595 not found	number of probes: 2973
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key: 2842083 not found	number of probes: 3092
key: 3179853 not found	number of probes: 3175
key: 8530768 not found	number of probes: 3199
key: 973672 not found	number of probes: 3221
key: 7248591 not found	number of probes: 3300
key: 1631617 not found	number of probes: 3429
key: 3110680 not found	number of probes: 3452
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key: 1345224 not found	number of probes: 3510
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key: 3129507 not found	number of probes: 3649
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key: 4712367 not found	number of probes: 3794
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key: 7941364 not found	number of probes: 3814
key: 4559591 not found	number of probes: 3850
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key: 597386 not found	number of probes: 3954
key: 9399248 not found	number of probes: 3993
key: 7140624 not found	number of probes: 4005
key: 8682421 not found	number of probes: 4061
key: 5699916 not found	number of probes: 4069
key: 8796012 not found	number of probes: 4110
key: 9878819 not found	number of probes: 4237
key: 4112992 not found	number of probes: 4258

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key: 9533809 not found	number of probes: 4332
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key: 4977996 not found	number of probes: 4384
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key: 8456302 not found	number of probes: 4508
key: 8120095 not found	number of probes: 4538
key: 4639790 not found	number of probes: 4552
key: 3015681 not found	number of probes: 4637
key: 4303456 not found	number of probes: 4682
key: 4170964 not found	number of probes: 4709
key: 3963250 not found	number of probes: 4721
key: 3602332 not found	number of probes: 4731
key: 760809 not found	number of probes: 4741
key: 5645204 not found	number of probes: 4782
key: 2395420 not found	number of probes: 4797
key: 687930 not found	number of probes: 4867
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key: 1938555 not found	number of probes: 5151
key: 4102505 not found	number of probes: 5189
key: 3034749 not found	number of probes: 5303
key: 8725130 not found	number of probes: 5332
key: 1578554 not found	number of probes: 5392
key: 1650448 not found	number of probes: 5436
key: 3045323 not found	number of probes: 5497
key: 5170054 not found	number of probes: 5512
key: 7784631 not found	number of probes: 5616
key: 7495371 not found	number of probes: 5701

Table 2 [size 2048]

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Inserting key: 8777924 at Index: 133
Inserting key: 7237710 at Index: 110
Inserting key: 3564441 at Index: 54
Inserting key: 5438166 at Index: 82
Inserting key: 4484493 at Index: 68
Inserting key: 4243043 at Index: 64
Inserting key: 4807988 at Index: 73
Inserting key: 7522504 at Index: 114
Inserting key: 1282328 at Index: 19
Inserting key: 6531730 at Index: 99
Inserting key: 3378841 at Index: 51
Inserting key: 3542613 at Index: 1249
Inserting key: 6544304 at Index: 1988
Inserting key: 4833170 at Index: 1902
Inserting key: 4817710 at Index: 1702
Inserting key: 8097158 at Index: 123

Inserting key: 7129561 at Index: 108
Inserting key: 1570934 at Index: 23
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Inserting key: 3351817 at Index: 582
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Inserting key: 4899098 at Index: 74
Inserting key: 6807827 at Index: 103
Inserting key: 3613513 at Index: 55
Inserting key: 1929268 at Index: 29
Inserting key: 723811 at Index: 11
Inserting key: 4877634 at Index: 719
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Inserting key: 4379150 at Index: 66
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Inserting key: 511968 at Index: 7
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Inserting key: 6091746 at Index: 92
Inserting key: 6425229 at Index: 98
Inserting key: 9894092 at Index: 150
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Inserting key: 7186358 at Index: 109
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Inserting key: 616709 at Index: 9
Inserting key: 357945 at Index: 5
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Inserting key: 7571491 at Index: 115
Inserting key: 4788125 at Index: 1924
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Inserting key: 5028636 at Index: 76
Inserting key: 2408014 at Index: 36
Inserting key: 7623866 at Index: 116
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Inserting key: 7724116 at Index: 286
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Inserting key: 8446502 at Index: 128

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Inserting key: 2246883 at Index: 34
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Inserting key: 8153058 at Index: 124

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Inserting key: 6476771 at Index: 2032
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Inserting key: 4987845 at Index: 2007
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Inserting key: 3042010 at Index: 1507
Inserting key: 5530181 at Index: 84

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Inserting key: 7187358 at Index: 1962
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Inserting key: 2227879 at Index: 1392
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Inserting key: 245762 at Index: 173
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Inserting key: 2834841 at Index: 862
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Inserting key: 8275515 at Index: 364
Inserting key: 7991455 at Index: 759
Inserting key: 8595020 at Index: 1308
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Inserting key: 7466672 at Index: 819
Inserting key: 8592371 at Index: 1954
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Inserting key: 1419462 at Index: 815
Inserting key: 8408488 at Index: 1476
Inserting key: 5308354 at Index: 1882
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Inserting key: 6985789 at Index: 352
Inserting key: 5794245 at Index: 761
Inserting key: 1369881 at Index: 1607
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Inserting key: 4318910 at Index: 1470
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Inserting key: 8709267 at Index: 427
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Inserting key: 8000111 at Index: 568
Inserting key: 7619590 at Index: 194
Inserting key: 2486328 at Index: 489
Inserting key: 7097774 at Index: 852
Inserting key: 8625582 at Index: 666
Inserting key: 889296 at Index: 942
Inserting key: 607937 at Index: 1420
Inserting key: 8637875 at Index: 1002
Inserting key: 6245436 at Index: 216
Inserting key: 4558232 at Index: 1289

Inserting key: 6566973 at Index: 346
Inserting key: 9983029 at Index: 259
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Inserting key: 3874588 at Index: 1652
Inserting key: 1766298 at Index: 1465
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Inserting key: 4958112 at Index: 1741
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Inserting key: 957464 at Index: 210
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Inserting key: 6923782 at Index: 1142
Inserting key: 3551952 at Index: 1495
Inserting key: 2329231 at Index: 1346
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Found key: 1929268 at index: 29| number of probes: 24
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Found key: 10673 at index: 867| number of probes: 36
Found key: 6425229 at index: 98| number of probes: 38
Found key: 5921154 at index: 90| number of probes: 40
Found key: 616709 at index: 9| number of probes: 42
Found key: 7702197 at index: 117| number of probes: 44
Found key: 3454667 at index: 52| number of probes: 46
Found key: 8797802 at index: 134| number of probes: 48
Found key: 806854 at index: 12| number of probes: 50
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Found key: 7623866 at index: 116| number of probes: 64
Found key: 5339426 at index: 81| number of probes: 66
Found key: 4001670 at index: 61| number of probes: 68
Found key: 7724116 at index: 286| number of probes: 72
Found key: 4075630 at index: 283| number of probes: 76
Found key: 7810405 at index: 834| number of probes: 80
Found key: 3799506 at index: 57| number of probes: 82
Found key: 6731567 at index: 102| number of probes: 84
Found key: 4936717 at index: 129| number of probes: 90
Found key: 7130338 at index: 561| number of probes: 94
Found key: 4844898 at index: 782| number of probes: 98
Found key: 3153178 at index: 48| number of probes: 100
Found key: 6946232 at index: 105| number of probes: 102
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Found key: 8471007 at index: 1088| number of probes: 119
Found key: 3179853 at index: 715| number of probes: 123

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Found key: 7248591 at index: 1549| number of probes: 131
Found key: 8153058 at index: 124| number of probes: 133
Found key: 7819791 at index: 1174| number of probes: 138
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Found key: 5583455 at index: 85| number of probes: 142
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Found key: 1915395 at index: 1060| number of probes: 168
Found key: 2607845 at index: 39| number of probes: 170
Found key: 145160 at index: 2| number of probes: 172
Found key: 7764948 at index: 118| number of probes: 174
Found key: 1307218 at index: 1208| number of probes: 179
Found key: 755540 at index: 1716| number of probes: 183
Found key: 9413497 at index: 1922| number of probes: 187
Found key: 7140624 at index: 653| number of probes: 191
Found key: 6531969 at index: 1894| number of probes: 195
Found key: 9335736 at index: 142| number of probes: 197
Found key: 2663535 at index: 263| number of probes: 201
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Found key: 6729663 at index: 2021| number of probes: 225
Found key: 9533809 at index: 145| number of probes: 227
Found key: 2737336 at index: 410| number of probes: 231
Found key: 9997440 at index: 152| number of probes: 233
Found key: 9468873 at index: 144| number of probes: 235
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Found key: 2267507 at index: 777| number of probes: 255
Found key: 9863109 at index: 33| number of probes: 259
Found key: 3963250 at index: 801| number of probes: 263
Found key: 3602332 at index: 1903| number of probes: 267
Found key: 760809 at index: 2014| number of probes: 271
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Deleted key: 4484493 at Index: 68

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Deleted key: 4877634 at Index: 719
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Deleted key: 1901394 at Index: 1730
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Deleted key: 7571491 at Index: 115
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Found key: 8236580 at index: 125| number of probes: 336
Found key: 511968 at index: 7| number of probes: 338
Found key: 7819337 at index: 266| number of probes: 342
Found key: 357945 at index: 5| number of probes: 344
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Found key: 7389815 at index: 112| number of probes: 361
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Found key: 2053145 at index: 184| number of probes: 387
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Found key: 111138 at index: 1| number of probes: 391
Found key: 7722295 at index: 740| number of probes: 395
Found key: 9673558 at index: 147| number of probes: 397
Found key: 9688009 at index: 1977| number of probes: 403
Found key: 8471007 at index: 1088| number of probes: 408

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Found key: 7819791 at index: 1174| number of probes: 424
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Found key: 2851408 at index: 1228| number of probes: 488
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