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Output

Global Insertion LinkedList Size: 10000000
Global Retrieval LinkedList Size: 1000000
Setting Up LinkedLists.....done!

Testing Performance now...

Hash Type: modulo
Modulo: 101
Map Type: ChainedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 1 ms.

490 values retrieved in 68 ms.

Hash Type: modulo
Modulo: 1009
Map Type: ChainedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 23 ms.

Hash Type: modulo
Modulo: 10007
Map Type: ChainedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 21 ms.

Hash Type: modulo
Modulo: 100003
Map Type: ChainedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 33 ms.

Hash Type: none
Map Type: HashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 32 ms.

Hash Type: none
Map Type: TreeMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 62 ms.

Hash Type: none
Map Type: LinkedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 39 ms.

Hash Type: lastTwo
Map Type: ChainedHashMap
No. of insertions: 100
No. of retrievals: 500000

100 values inserted in 5 ms.

490 values retrieved in 11636 ms.

Hash Type: digitSum
Map Type: ChainedHashMap
No. of insertions: 100

No. of retrievals: 500000

100 values inserted in 0 ms.

490 values retrieved in 1756 ms.

Hash Type: modulo

Modulo: 101

Map Type: ChainedHashMap

No. of insertions: 1000

No. of retrievals: 500000

1000 values inserted in 1 ms.

5069 values retrieved in 88 ms.

Hash Type: modulo

Modulo: 1009

Map Type: ChainedHashMap

No. of insertions: 1000

No. of retrievals: 500000

1000 values inserted in 0 ms.

5069 values retrieved in 44 ms.

Hash Type: modulo

Modulo: 10007

Map Type: ChainedHashMap

No. of insertions: 1000

No. of retrievals: 500000

1000 values inserted in 0 ms.

5069 values retrieved in 26 ms.

Hash Type: modulo

Modulo: 100003

Map Type: ChainedHashMap

No. of insertions: 1000

No. of retrievals: 500000

1000 values inserted in 1 ms.

5069 values retrieved in 43 ms.

Hash Type: none
Map Type: HashMap
No. of insertions: 1000
No. of retrievals: 500000

1000 values inserted in 1689 ms.

5069 values retrieved in 32 ms.

Hash Type: none
Map Type: TreeMap
No. of insertions: 1000
No. of retrievals: 500000

1000 values inserted in 3 ms.

5069 values retrieved in 85 ms.

Hash Type: none
Map Type: LinkedHashMap
No. of insertions: 1000
No. of retrievals: 500000

1000 values inserted in 2 ms.

5069 values retrieved in 41 ms.

Hash Type: lastTwo
Map Type: ChainedHashMap
No. of insertions: 1000
No. of retrievals: 500000

1000 values inserted in 2 ms.

5069 values retrieved in 10754 ms.

Hash Type: lastThree
Map Type: ChainedHashMap
No. of insertions: 1000
No. of retrievals: 500000

1000 values inserted in 2 ms.

5069 values retrieved in 10806 ms.

Hash Type: digitSum

Map Type: ChainedHashMap

No. of insertions: 1000

No. of retrievals: 500000

1000 values inserted in 1 ms.

5069 values retrieved in 235 ms.

Hash Type: modulo

Modulo: 101

Map Type: ChainedHashMap

No. of insertions: 10000

No. of retrievals: 500000

10000 values inserted in 45 ms.

47763 values retrieved in 2283 ms.

Hash Type: modulo

Modulo: 1009

Map Type: ChainedHashMap

No. of insertions: 10000

No. of retrievals: 500000

10000 values inserted in 1 ms.

47763 values retrieved in 189 ms.

Hash Type: modulo

Modulo: 10007

Map Type: ChainedHashMap

No. of insertions: 10000

No. of retrievals: 500000

10000 values inserted in 1 ms.

47763 values retrieved in 90 ms.

Hash Type: modulo
Modulo: 100003
Map Type: ChainedHashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 2 ms.

47763 values retrieved in 1752 ms.

Hash Type: none
Map Type: HashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 12 ms.

47763 values retrieved in 46 ms.

Hash Type: none
Map Type: TreeMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 16 ms.

47763 values retrieved in 156 ms.

Hash Type: none
Map Type: LinkedHashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 7 ms.

47763 values retrieved in 55 ms.

Hash Type: lastTwo
Map Type: ChainedHashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 31 ms.

47763 values retrieved in 13463 ms.

Hash Type: lastThree
Map Type: ChainedHashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 17 ms.

47763 values retrieved in 12817 ms.

Hash Type: digitSum
Map Type: ChainedHashMap
No. of insertions: 10000
No. of retrievals: 500000

10000 values inserted in 33 ms.

47763 values retrieved in 2867 ms.

Hash Type: modulo
Modulo: 101
Map Type: ChainedHashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 6130 ms.

316563 values retrieved in 33401 ms.

Hash Type: modulo
Modulo: 1009
Map Type: ChainedHashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 489 ms.

316563 values retrieved in 5048 ms.

Hash Type: modulo
Modulo: 10007

Map Type: ChainedHashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 74 ms.

316563 values retrieved in 2335 ms.

Hash Type: modulo
Modulo: 100003
Map Type: ChainedHashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 25 ms.

316563 values retrieved in 165 ms.

Hash Type: none
Map Type: HashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 24 ms.

316563 values retrieved in 149 ms.

Hash Type: none
Map Type: TreeMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 81 ms.

316563 values retrieved in 546 ms.

Hash Type: none
Map Type: LinkedHashMap
No. of insertions: 100000
No. of retrievals: 500000

100000 values inserted in 25 ms.

316563 values retrieved in 156 ms.

Hash Type: lastTwo

Map Type: ChainedHashMap

No. of insertions: 100000

No. of retrievals: 500000

100000 values inserted in 9187 ms.

316563 values retrieved in 66310 ms.

Hash Type: lastThree

Map Type: ChainedHashMap

No. of insertions: 100000

No. of retrievals: 500000

100000 values inserted in 4574 ms.

316563 values retrieved in 38041 ms.

Hash Type: digitSum

Map Type: ChainedHashMap

No. of insertions: 100000

No. of retrievals: 500000

100000 values inserted in 18273 ms.

316563 values retrieved in 130029 ms.

Longest measurement time for insertion: 18273

Shortest measurement time insertion: 0

Longest measurement time for retrieval: 130029

Shortest measurement time retrieval: 21