REPORT ON JAVA COLLECTIONS 08/13/2016 11:50:51 PM

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Collections: [HashSet, TreeSet, ArrayList, LinkedList]
Observations: 100

Table #1 (Capacity: 10000)

	HashSet	TreeSet	ArrayList	LinkedList
Populate	0.9899 ms	2.7301 ms	0.0446 ms	0.3406 ms
Add	4.0E-4 ms	6.0E-4 ms	0.0589 ms	9.0E-4 ms
Contains	0.001 ms	0.0029 ms	0.0626 ms	0.0629 ms
Remove	0.002 ms	0.0023 ms	0.0667 ms	0.0581 ms
Get			3.0E-4 ms	0.0157 ms
IterAdd			0.0144 ms	0.003 ms
IterRemove			0.0118 ms	0.0021 ms

Table #2 (Capacity: 100000)

	HashSet	TreeSet	ArrayList	LinkedList
Populate	16.9568 ms	44.8909 ms	0.5872 ms	11.5417 ms
Add	0.0011 ms	0.0015 ms	0.6347 ms	0.0041 ms
Contains	0.0041 ms	0.0028 ms	0.6638 ms	1.0072 ms
Remove	0.0063 ms	0.0039 ms	0.6683 ms	0.6974 ms
Get			4.0E-4 ms	0.0261 ms
IterAdd			0.1028 ms	0.0052 ms
IterRemove			0.0976 ms	0.0025 ms

Table #3 (Capacity: 1000000)

	HashSet	TreeSet	ArrayList	LinkedList
Populate	362.142 ms	1178.5011 ms	8.8119 ms	90.9488 ms
Add	0.0014 ms	0.0024 ms	16.0932 ms	0.0062 ms
Contains	0.0049 ms	0.0031 ms	9.5521 ms	14.3996 ms
Remove	0.0068 ms	0.0042 ms	9.2358 ms	12.9926 ms
Get			0.0014 ms	0.0608 ms
IterAdd			1.2044 ms	0.0065 ms
IterRemove			0.934 ms	0.0025 ms