

Separate Chaining Array

WithInt	Nodes	Branches	SES	AMT	ATS	RA
constructor	18650	165	293	114758	6.183	24096
delete - normal	26728	231	1064	70109	2.623	32060
delete - exceptional	2108	13	113	7265	3.448	2560
get - normal	11939	124	1005	22247	1.863	15353
get - exceptional	2322	19	117	8176	3.522	2814
getIndex	2718	11	75	3074	1.131	3460
hash - normal	839	14	170	659	0.786	1303
hash - accessible	686	14	152	478	0.697	1115
increaseAndCopy	1503	22	103	1625	1.081	2398
increaseArraySize	43072	285	1023	107033	2.485	58964
put - normal	64252	474	2788	316785	4.93	82624
put - exceptional	4220	25	224	15147	3.59	5124
total	179037	1397	7127	667356	2.69	231871

Separate Chaining Array

WithIntKeys	Nodes	Branches	SES	AMT	ATS	RA
constructor	12527	98	290	65846	5.256	17939
delete - normal	25551	234	1064	69163	2.706	30730
delete - exceptional	1998	13	113	6869	3.439	2442
get - normal	12392	124	1005	25750	2.078	15824
get - exceptional	2235	19	117	8901	3.984	2720
getIndex	2749	11	75	3234	1.176	3497
hash - normal	839	14	170	679	0.81	1303
hash - accessible	686	14	152	492	0.718	1115
increaseAndCopyKeys	1503	22	103	1755	1.168	2398
increaseAndCopyVals	1537	24	102	1570	1.022	2490
increaseArraySize	44309	323	1044	125913	2.814	60101
put - normal	195547	1800	2999	855082	4.372	252500
put - exceptional	2019	13	113	7410	3.671	2464
total	303892	2709	7347	1172664	2.55	395523

Separate Chaining Array

NoEquals	Nodes	Branches	SES	AMT	ATS	RA
constructor	16149	129	293	86083	5.33	21623
delete - normal	38997	428	1753	109410	2.805	46293
delete - exceptional	11	1	0	13	1.3	19
get - normal	14348	189	1786	27508	1.917	19398
get - exceptional	11	1	0	11	1.1	12
getIndex	2518	11	77	3009	1.195	3227
hash - normal	873	18	236	693	0.794	1432
hash - accessible	754	16	188	506	0.671	1237
increaseAndCopyKeys	1537	24	102	1484	0.966	2490
increaseAndCopyVals	1537	24	102	1687	1.098	2490
increaseArraySize						
put - normal	184128	1693	5216	743981	4.04	224650
put - exceptional	19	1	0	44	2.444	28

Separate Chaining Array

WithEquals	Nodes	Branches	SES	AMT	ATS	RA
constructor						
delete - normal						
delete - exceptional	11	1	0	12	1.2	19
get - normal	10451	166	1956	21332	2.041	15650
get - exceptional	11	1	0	19	1.9	12
getIndex	14185	366	3510	36560	2.577	23011
hash - normal	2279	42	579	1827	0.802	3648
hash - accessible	754	16	188	553	0.734	1237
increaseAndCopyKeys	1537	24	102	1522	0.99	2490
increaseAndCopyVals	1537	24	102	1531	0.996	2490
increaseArraySize						
put - normal						
put - exceptional	19	1	0	13	0.722	28

Linear Probing

WithInt	Nodes	Branches	SES	AMT	ATS	RA
constructor	2457	27	157	6807	2.771	3577
delete - normal	11796	126	1632	32954	2.793	15290
delete - exceptional	12465	141	1913	47762	3.831	16590
findEmpty	6161	83	889	6792	1.102	9388
get - normal	789	9	38	1226	1.555	1160
get - exceptional	14186	187	2269	52187	3.679	19366
getIndex	31298	407	4433	64562	2.062	44216
hash - normal	715	11	126	558	0.781	1061
hash - accessible	597	11	116	350	0.587	921
OverwritePair	284469	3438	37917	746723	2.624	385191
put - normal	22267	192	2069	62688	2.815	29632
put - exceptional	19061	220	2956	81189	4.259	25488
total	406261	4852	54515	1103798	2.40	551880

Linear Probing

WithIntKeys	Nodes	Branches	SES	AMT	ATS	RA
constructor	2498	27	157	7456	2.985	3652
delete - normal	10671	111	1529	30268	2.836	13967
delete - exceptional	13090	159	2207	50527	3.86	18026
findEmpty	6184	83	889	6587	1.065	9409
get - normal	823	9	38	1250	1.52	1189
get - exceptional	12722	151	2037	48101	3.781	17248
getIndex	31369	402	4450	66931	2.133	44231
hash - normal	715	11	126	555	0.777	1061
hash - accessible	608	11	116	348	0.573	931
OverwritePair	300545	3759	40886	970844	3.23	410942
put - normal	20221	150	1772	53965	2.668	26818
put - exceptional	13301	162	2242	59834	4.498	18327
total	412747	5035	56449	1296666	2.49	565801

Linear Probing

NoEquals	Nodes	Branches	SES	AMT	ATS	RA
constructor	2601	28	157	12914	4.966	3793
delete - normal	17518	324	4412	55649	3.176	25701
delete - exceptional	11190	206	2701	41045	3.668	16811
findEmpty	12897	180	1964	17383	1.347	18556
get - normal	1191	9	46	1597	1.342	1561
get - exceptional	12240	226	2873	42282	3.454	18302
getIndex	48580	794	9051	99851	2.055	71120
hash - normal	897	18	236	851	0.949	1456
hash - accessible	755	16	188	595	0.789	1238
OverwritePair						
put - normal	33518	496	6013	82948	2.474	48215
put - exceptional	12576	233	3001	41237	3.279	18966

Linear Probing

WithEquals	Nodes	Branches	SES	AMT	ATS	RA
constructor	2540	28	157	12255	4.826	3715
delete - normal						
delete - exceptional	50181	1063	12904	224256	4.469	80939
findEmpty	15815	255	2930	20298	1.283	24007
get - normal	2033	47	572	2878	1.416	3853
get - exceptional	49996	1062	12827	213161	4.263	80621
getIndex	162588	3073	35831	397987	2.447	252070
hash - normal	4546	88	1224	3981	0.875	7461
hash - accessible	1464	32	361	1445	0.987	2434
OverwritePair						
put - normal						
put - exceptional	51619	1088	13120	234958	4.551	83832

Separate Chaining Array vs Linear Probing

SCA / LP (WithInt)	Nodes	Branches	SES	AMT	ATS	RA
constructor	7.59	6.11	1.87	16.86	2.23	6.74
delete - normal	2.27	1.83	0.65	2.13	0.94	2.1
delete - exceptional	0.17	0.09	0.06	0.15	0.9	0.15
get - normal	15.13	13.78	26.45	18.15	1.2	13.24
get - exceptional	0.16	0.1	0.05	0.16	0.96	0.15
getIndex	0.09	0.03	0.02	0.05	0.55	0.08
hash - normal	1.17	1.27	1.35	1.18	1.01	1.23
hash - accessible	1.15	1.27	1.31	1.37	1.19	1.21
put - normal	2.89	2.47	1.35	5.05	1.75	2.79
put - exceptional	0.22	0.11	0.08	0.19	0.84	0.2
increaseArraySize vs overwritePair	0.15	0.08	0.03	0.14	0.95	0.15
total	0.44	0.29	0.13	0.6	1.12	0.42