

# SeparateChainingArray

WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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
increaseAndCopyKeys	1503	22	103	1625	1.081	2398
increaseAndCopyVals	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

# SeparateChainingArray

WithIntKeys	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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	4882	3.25	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

# SeparateChainingArray

NoEquals	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

# SeparateChainingArray

WithEquals	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

# SeparateChainingArray

WithIntKeys vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	0.67	0.59	0.99	0.57	0.85	0.74
delete - normal	0.96	1.01	1	0.99	1.03	0.96
delete - exceptional	0.95	1	1	0.95	1	0.95
get - normal	1.04	1	1	1.16	1.12	1.03
get - exceptional	0.96	1	1	1.09	1.13	0.97
getIndex	1.01	1	1	1.05	1.04	1.01
hash - normal	1	1	1	1.03	1.03	1
hash - accessible	1	1	1	1.03	1.03	1
increaseAndCopyKeys	1	1	1	3	3.01	1
increaseAndCopyVals	1.02	1.09	0.99	0.97	0.95	1.04
increaseArraySize	1.03	1.13	1.02	1.18	1.13	1.02
put - normal	3.04	3.8	1.08	2.7	0.89	3.06
put - exceptional	0.48	0.52	0.5	0.49	1.02	0.48

# SeparateChainingArray

NoEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	0.87	0.78	1	0.75	0.86	0.9
delete - normal	1.46	1.85	1.65	1.56	1.07	1.44
delete - exceptional	0.01	0.08	0	0	0.38	0.01
get - normal	1.2	1.52	1.78	1.24	1.03	1.26
get - exceptional	0	0.05	0	0	0.31	0
getIndex	0.93	1	1.03	0.98	1.06	0.93
hash - normal	1.04	1.29	1.39	1.05	1.01	1.1
hash - accessible	1.1	1.14	1.24	1.06	0.96	1.11
increaseAndCopyKeys	1.02	1.09	0.99	0.91	0.89	1.04
increaseAndCopyVals	1.02	1.09	0.99	1.04	1.02	1.04
increaseArraySize						
put - normal	2.87	3.57	1.87	2.35	0.82	2.72
put - exceptional	0	0.04	0	0	0.68	0.01

# SeparateChainingArray

WithEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor						
delete - normal						
delete - exceptional	0.01	0.08	0	0	0.35	0.01
get - normal	0.88	1.34	1.95	0.96	1.1	1.02
get - exceptional	0	0.05	0	0	0.54	0
getIndex	5.22	33.27	46.8	11.89	2.28	6.65
hash - normal	2.72	3	3.41	2.77	1.02	2.8
hash - accessible	1.1	1.14	1.24	1.16	1.05	1.11
increaseAndCopyKeys	1.02	1.09	0.99	0.94	0.92	1.04
increaseAndCopyVals	1.02	1.09	0.99	0.94	0.92	1.04
increaseArraySize						
put - normal						
put - exceptional	0	0.04	0	0	0.2	0.01

# LinearProbing

WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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



# LinearProbing

WithIntKeys	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

# LinearProbing

NoEquals	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

# LinearProbing

WithEquals	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

# LinearProbing

WithIntKeys vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	1.02	1	1	1.1	1.08	1.02
delete - normal	0.9	0.88	0.94	0.92	1.02	0.91
delete - exceptional	1.05	1.13	1.15	1.06	1.01	1.09
findEmpty	1	1	1	0.97	0.97	1
get - normal	1.04	1	1	1.02	0.98	1.03
get - exceptional	0.9	0.81	0.9	0.92	1.03	0.89
getIndex	1	0.99	1	1.04	1.03	1
hash - normal	1	1	1	0.99	0.99	1
hash - accessible	1.02	1	1	0.99	0.98	1.01
OverwritePair	1.06	1.09	1.08	1.3	1.23	1.07
put - normal	0.91	0.78	0.86	0.86	0.95	0.91
put - exceptional	0.7	0.74	0.76	0.74	1.06	0.72

# LinearProbing

NoEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	1.06	1.04	1	1.9	1.79	1.06
delete - normal	1.49	2.57	2.7	1.69	1.14	1.68
delete - exceptional	0.9	1.46	1.41	0.86	0.96	1.01
findEmpty	2.09	2.17	2.21	2.56	1.22	1.98
get - normal	1.51	1	1.21	1.3	0.86	1.35
get - exceptional	0.86	1.21	1.27	0.81	0.94	0.95
getIndex	1.55	1.95	2.04	1.55	1	1.61
hash - normal	1.25	1.64	1.87	1.53	1.22	1.37
hash - accessible	1.26	1.45	1.62	1.7	1.34	1.34
OverwritePair						
put - normal	1.51	2.58	2.91	1.32	0.88	1.63
put - exceptional	0.66	1.06	1.02	0.51	0.77	0.74

# LinearProbing

WithEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	1.03	1.04	1	1.8	1.74	1.04
delete - normal						
delete - exceptional	4.03	7.54	6.75	4.7	1.17	4.88
findEmpty	2.57	3.07	3.3	2.99	1.16	2.56
get - normal	2.58	5.22	15.05	2.35	0.91	3.32
get - exceptional	3.52	5.68	5.65	4.08	1.16	4.16
getIndex	5.19	7.55	8.08	6.16	1.19	5.7
hash - normal	6.36	8	9.71	7.13	1.12	7.03
hash - accessible	2.45	2.91	3.11	4.13	1.68	2.64
OverwritePair						
put - normal						
put - exceptional	2.71	4.95	4.44	2.89	1.07	3.29

## SCA vs LP

SCA / LP (WithInt)	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
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

## SCA vs LP

SCA / LP (WithIntKeys)	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	5.01	3.63	1.85	8.83	1.76	4.91
delete - normal	2.39	2.11	0.7	2.29	0.95	2.2
delete - exceptional	0.15	0.08	0.05	0.14	0.89	0.14
get - normal	15.06	13.78	26.45	20.6	1.37	13.31
get - exceptional	0.18	0.13	0.06	0.19	1.05	0.16
getIndex	0.09	0.03	0.02	0.05	0.55	0.08
hash - normal	1.17	1.27	1.35	1.22	1.04	1.23
hash - accessible	1.13	1.27	1.31	1.41	1.25	1.2
put - normal	9.67	12	1.69	15.85	1.64	9.42
put - exceptional	0.15	0.08	0.05	0.12	0.82	0.13



## SCA vs LP

SCA / LP (NoEquals)	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	6.21	4.61	1.87	6.67	1.07	5.7
delete - normal	2.23	1.32	0.4	1.97	0.88	1.8
delete - exceptional	0	0	0	0	0.35	0
get - normal	12.05	21	38.83	17.22	1.43	12.43
get - exceptional	0	0	0	0	0.32	0
getIndex	0.05	0.01	0.01	0.03	0.58	0.05
hash - normal	0.97	1	1	0.81	0.84	0.98
hash - accessible	1	1	1	0.85	0.85	1
put - normal	5.49	3.41	0.87	8.97	1.63	4.66
put - exceptional	0	0	0	0	0.75	0

## SCA vs LP

SCA / LP (WithEquals)	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor						
delete - normal						
delete - exceptional	0	0	0	0	0.27	0
get - normal	5.14	3.53	3.42	7.41	1.44	4.06
get - exceptional	0	0	0	0	0.45	0
getIndex	0.09	0.12	0.1	0.09	1.05	0.09
hash - normal	0.5	0.48	0.47	0.46	0.92	0.49
hash - accessible	0.52	0.5	0.52	0.38	0.74	0.51
put - normal						
put - exceptional	0	0	0	0	0.16	0

## SCA vs LP

WithIntKeys vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	0.66	0.59	0.99	0.52	0.79	0.73
delete - normal	1.06	1.15	1.07	1.07	1.02	1.05
delete - exceptional	0.9	0.89	0.87	0.89	0.99	0.88
get - normal	1	1	1	1.14	1.14	1.01
get - exceptional	1.07	1.24	1.11	1.18	1.1	1.09
getIndex	1.01	1.01	1	1.01	1.01	1.01
hash - normal	1	1	1	1.04	1.04	1
hash - accessible	0.98	1	1	1.04	1.06	0.99
put - normal	3.35	4.86	1.26	3.14	0.94	3.38
put - exceptional	0.69	0.71	0.67	0.66	0.97	0.67

## SCA vs LP

NoEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor	0.82	0.75	1	0.4	0.48	0.85
delete - normal	0.98	0.72	0.61	0.92	0.94	0.86
delete - exceptional	0.01	0.05	0	0	0.39	0.01
get - normal	0.8	1.52	1.47	0.95	1.19	0.94
get - exceptional	0.01	0.04	0	0	0.33	0
getIndex	0.6	0.51	0.5	0.63	1.06	0.58
hash - normal	0.83	0.79	0.74	0.69	0.83	0.8
hash - accessible	0.87	0.79	0.76	0.62	0.72	0.83
put - normal	1.9	1.38	0.64	1.77	0.93	1.67
put - exceptional	0.01	0.04	0	0.01	0.88	0.01

## SCA vs LP

WithEquals vs WithInt	Nodes	Branches	Symbolic exec.	Automode (ms)	Avg. time/step	Total rules
constructor						
delete - normal						
delete - exceptional	0	0.01	0	0	0.3	0
get - normal	0.34	0.26	0.13	0.41	1.2	0.31
get - exceptional	0	0.01	0	0	0.47	0
getIndex	1	4.41	5.79	1.93	1.92	1.17
hash - normal	0.43	0.38	0.35	0.39	0.91	0.4
hash - accessible	0.45	0.39	0.4	0.28	0.63	0.42
put - normal						
put - exceptional	0	0.01	0	0	0.19	0