

\*all times in ms

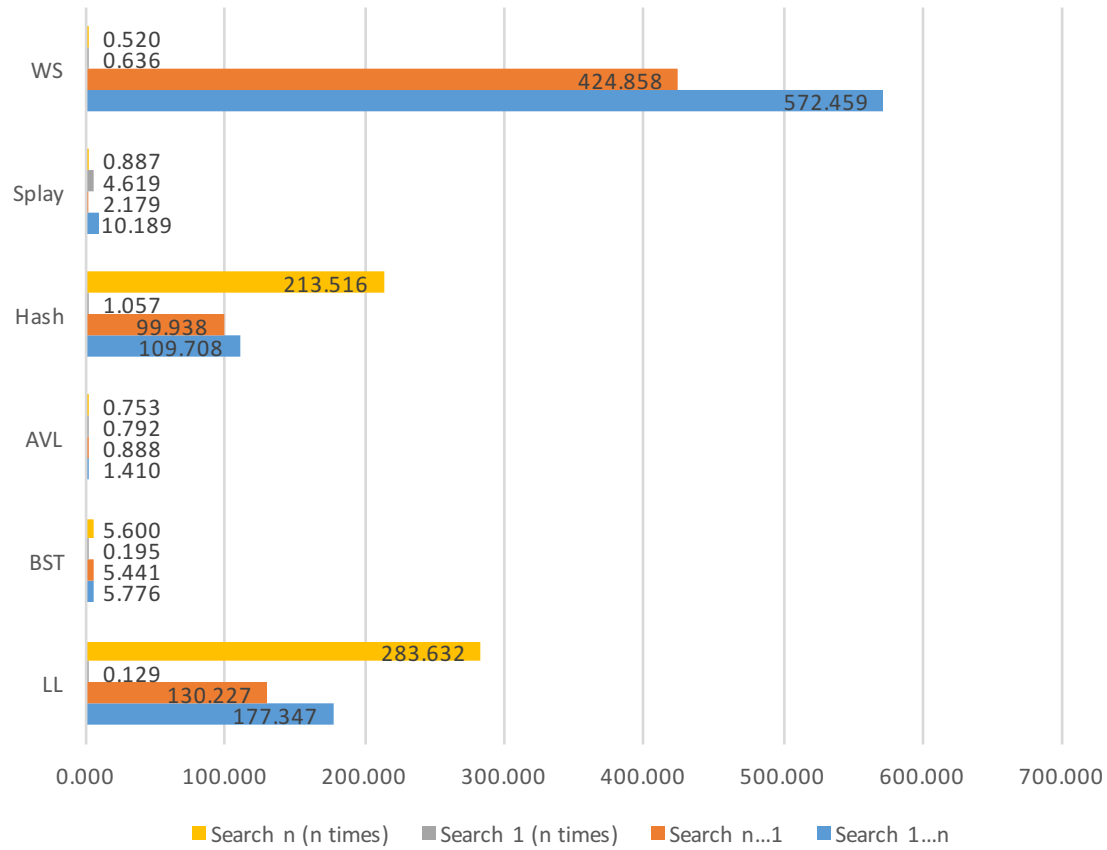
N = 10	Search 1...n	Search n...1	Search 1 (n times)	Search n (n times)
LL	0.176	0.006	0.004	0.005
BST	0.199	0.013	0.003	0.011
AVL	0.112	0.006	0.006	0.004
Hash	0.067	0.008	0.005	0.006
Splay	0.167	0.013	0.009	0.005
WS	0.585	0.185	0.129	0.004

N = 100	Search 1...n	Search n...1	Search 1 (n times)	Search n (n times)
LL	0.149	0.055	0.005	0.155
BST	0.218	0.180	0.005	0.085
AVL	0.234	0.008	0.006	0.006
Hash	0.162	0.100	0.018	0.314
Splay	0.425	0.487	0.032	0.016
WS	3.038	0.383	0.041	0.016

N = 1000	Search 1...n	Search n...1	Search 1 (n times)	Search n (n times)
LL	1.469	1.111	0.018	2.418
BST	0.874	0.540	0.025	0.608
AVL	0.600	0.071	0.067	0.057
Hash	1.613	1.020	0.077	2.040
Splay	1.364	0.255	0.228	0.103
WS	8.862	4.693	0.652	0.060

N = 10000	Search 1...n	Search n...1	Search 1 (n times)	Search n (n times)
LL	177.347	130.227	0.129	283.632
BST	5.776	5.441	0.195	5.600
AVL	1.410	0.888	0.792	0.753
Hash	109.708	99.938	1.057	213.516
Splay	10.189	2.179	4.619	0.887
WS	572.459	424.858	0.636	0.520

Performance at N = 10,000



LL

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.006	0.004	0.005	0.176
100	0.055	0.005	0.155	0.149
1000	1.111	0.018	2.418	1.469
10000	130.227	0.129	283.632	177.347

BST

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.013	0.003	0.011	0.199
100	0.18	0.005	0.085	0.218
1000	0.54	0.025	0.608	0.874
10000	5.441	0.195	5.6	5.776

AVL

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.006	0.006	0.004	0.112
100	0.008	0.006	0.006	0.234
1000	0.071	0.067	0.057	0.6
10000	0.888	0.792	0.753	1.41

Hash

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.008	0.005	0.006	0.067
100	0.1	0.018	0.314	0.162
1000	1.02	0.077	2.04	1.613
10000	99.938	1.057	213.516	109.708

Splay

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.013	0.009	0.005	0.167
100	0.487	0.032	0.016	0.425
1000	0.255	0.228	0.103	1.364
10000	2.179	4.619	0.887	10.189

WS

	Search n...1	Search 1 (n ti	Search n (n ti	Search 1...n
10	0.185	0.129	0.004	0.585
100	0.383	0.041	0.016	3.038
1000	4.693	0.652	0.06	8.862
10000	424.858	0.636	0.52	572.459