

Benchmark Results

<i>all times in μs</i>		C++98		LuaJIT 2.0		LuaJIT 2.1		LuaJIT 2.0		LuaJIT 2.1		Lua 5.4.6	
		gcc -O2		Obf80b0 2017		8271c64 2017		50e0fa0 2023		2090842 2023		2023	
Benchmark:	<i>n</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>	<i>average</i>	<i>factor</i>
DeltaBlue	12000	25	0.1	340	1.0	318	0.9	338	1.0	319	0.9	653	1.9
Richards	100	3'721	0.1	36'699	1.0	34'851	0.9	34'710	0.9	32'587	0.9	145'137	4.0
Json	100	3'975	0.5	8'225	1.0	6'238	0.8	6'810	0.8	6'754	0.8	34'984	4.3
Havlak	10	221'753	0.0	8'018'440	1.0	8'631'438	1.1	8'070'779	1.0	8'394'652	1.0	18'938'031	2.4
CD	250	1'570	0.1	14'691	1.0	14'112	1.0	13'948	0.9	14'860	1.0	30'623	2.1
Bounce	1500	43	0.2	216	1.0	213	1.0	214	1.0	203	0.9	2'424	11.2
List	1500	76	0.1	581	1.0	597	1.0	604	1.0	593	1.0	1'424	2.5
Mandelbrot	500	1	0.5	2	1.0	1	0.5	2	1.0	1	0.5	2	1.0
NBody	250000	1	0.2	6	1.0	5	0.8	6	1.0	5	0.8	28	4.7
Permute	1000	120	0.4	289	1.0	239	0.8	323	1.1	91	0.3	3'231	11.2
Queens	1000	165	0.6	258	1.0	255	1.0	253	1.0	232	0.9	2'224	8.6
Sieve	3000	30	0.3	103	1.0	102	1.0	103	1.0	102	1.0	1'053	10.2
Storage	1000	741	0.3	2'133	1.0	2'060	1.0	2'121	1.0	2'065	1.0	6'029	2.8
Towers	600	159	0.5	306	1.0	364	1.2	312	1.0	377	1.2	5'608	18.3
sum of averages:		232'380		8'082'289		8'690'793		8'130'523		8'452'841		19'171'451	
geomean of factors:			0.21		1.0		0.91		0.99		0.85		4.41
1/geomean:			4.76				1.10		1.01		1.18		0.23

Benchmarks used from <https://github.com/smarr/are-we-fast-yet> commit 770c664 3.4.2020
and <https://github.com/rochus-keller/Are-we-fast-yet>
Testmachine: HP EliteBook 2530p, Intel Core Duo L9400 1.86GHz, 4GB RAM, Linux i386
All binaries compiled with GCC 4.8.2