Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,09048	0,002	us/op	10	random	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,050167	0,004	us/op	10	random	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,038727	0,005	us/op	10	random	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,230516	0,049	us/op	10	random	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,072979	0,008	us/op	10	random	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,080114	0,013	us/op	10	random	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,232769	0,030	us/op	10	random	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,088359	0,008	us/op	10	random	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,049412	0,005138	us/op	10	sorted	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,027098	0,015438	us/op	10	sorted	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,022697	0,006081	us/op	10	sorted	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,228687	0,063865	us/op	10	sorted	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,084928	0,031545	us/op	10	sorted	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,072593	0,004196	us/op	10	sorted	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,175929	0,008922	us/op	10	sorted	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,097702	0,001936	us/op	10	sorted	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,088237	0,002487	us/op	10	reversed	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,057372	0,006335	us/op	10	reversed	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,053324	0,003519	us/op	10	reversed	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,241067	0,044267	us/op	10	reversed	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,082642	0,014982	us/op	10	reversed	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,07781	0,011374	us/op	10	reversed	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,195813	0,03175	us/op	10	reversed	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,073763	0,00714	us/op	10	reversed	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,070607	0,015847	us/op	10	sorted_with_random_end_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,059154	0,008906	us/op	10	sorted_with_random_end_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,029266	0,005222	us/op	10	sorted_with_random_end_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,271748	0,128025	us/op	10	sorted_with_random_end_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,065173	0,004502	us/op	10	sorted_with_random_end_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,072079	0,007974	us/op	10	sorted_with_random_end_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,173444	0,007804	us/op	10	sorted_with_random_end_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,093528	0,00392	us/op	10	sorted_with_random_end_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,062529	0,004728	us/op	10	sorted_with_random_mid_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,041288	0,009975	us/op	10	sorted_with_random_mid_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,025929	0,004918	us/op	10	sorted_with_random_mid_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,240921	0,061141	us/op	10	sorted_with_random_mid_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,090979	0,003749	us/op	10	sorted_with_random_mid_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,078349	0,006791	us/op	10	sorted_with_random_mid_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,173409	0,006116	us/op	10	sorted_with_random_mid_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,094862	0,003096	us/op	10	sorted_with_random_mid_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,049987	0,004808	us/op	10	sorted_with_random_start_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,022872	0,005881	us/op	10	sorted_with_random_start_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,023319	0,006245	us/op	10	sorted_with_random_start_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,233969	0,06614	us/op	10	sorted_with_random_start_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,076084	0,003523	us/op	10	sorted_with_random_start_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,072588	0,01177	us/op	10	sorted_with_random_start_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,178583	0,007045	us/op	10	sorted_with_random_start_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,097088	0,007392	us/op	10	sorted_with_random_start_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,067199	0,008044	us/op	10	sorted_with_random_end_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,051301	0,003869	us/op	10	sorted_with_random_end_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,037074	0,00945	us/op	10	sorted_with_random_end_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,237404	0,045963	us/op	10	sorted_with_random_end_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,07431	0,009276	us/op	10	sorted_with_random_end_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,086653	0,006177	us/op	10	sorted_with_random_end_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,170728	0,004463	us/op	10	sorted_with_random_end_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,083874	0,012947	us/op	10	sorted_with_random_end_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,069214	0,011155	us/op	10	sorted_with_random_mid_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,040251	0,006853	us/op	10	sorted_with_random_mid_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,030546	0,005742	us/op	10	sorted_with_random_mid_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,248131	0,064466	us/op	10	sorted_with_random_mid_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,081928	0,002804	us/op	10	sorted_with_random_mid_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,073881	0,00427	us/op	10	sorted_with_random_mid_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,178787	0,025495	us/op	10	sorted_with_random_mid_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,082802	0,006197	us/op	10	sorted_with_random_mid_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,058595	0,00835	us/op	10	sorted_with_random_start_half	SelectionSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm
10	random	0,038727	InsertionSort	0,232769	QuickSort_RandomPivot
10	sorted	0,022697	InsertionSort	0,228687	MergeSort
10	reversed	0,053324	InsertionSort	0,241067	MergeSort
10	sorted_with_random_end_1	0,029266	InsertionSort	0,271748	MergeSort
10	sorted_with_random_mid_1	0,025929	InsertionSort	0,240921	MergeSort
10	sorted_with_random_start_1	0,022872	BubbleSort	0,233969	MergeSort
10	sorted_with_random_end_half	0,037074	InsertionSort	0,237404	MergeSort
10	sorted_with_random_mid_half	0,030546	InsertionSort	0,248131	MergeSort
10	sorted_with_random_start_half	0,032384	InsertionSort	0,229492	MergeSort
100	random	0,936873	QuickSort_HighestPivot	6,516178	BubbleSort
100	sorted	0,096894	InsertionSort	2,834915	QuickSort_RandomPivot
100	reversed	1,038103	QuickSort_MedianPivot	7,895634	SelectionSort
100	sorted_with_shift_size/100->5	0,450328	InsertionSort	5,323051	BubbleSort
100	sorted_with_shift_size/100->99	0,272114	InsertionSort	6,98367	BubbleSort
100	sorted_with_random_end_1	0,323169	InsertionSort	7,940488	BubbleSort
100	sorted_with_random_mid_1	0,229203	InsertionSort	6,517511	QuickSort_HighestPivot
100	sorted_with_random_start_1	0,092272	BubbleSort	3,750476	QuickSort_RandomPivot
100	sorted_with_random_end_half	1,120909	QuickSort_HighestPivot	7,260986	BubbleSort
100	sorted_with_random_mid_half	0,728182	InsertionSort	5,142585	QuickSort_HighestPivot
100	sorted_with_random_start_half	0,581141	InsertionSort	6,367559	QuickSort_HighestPivot
1_000	random	41,718901	QuickSort_MedianPivot	745,248529	BubbleSort
1_000	sorted	1,083642	InsertionSort	280,556965	QuickSort_HighestPivot
1_000	reversed	30,50862	InsertionSort	1127,199903	SelectionSort
1_000	sorted_with_shift_size/100->5	3,338474	InsertionSort	412,312641	QuickSort_HighestPivot
1_000	sorted_with_shift_size/100->99	20,073434	QuickSort_MedianPivot	374,597261	BubbleSort
1_000	sorted_with_random_end_1	3,892671	InsertionSort	369,905942	SelectionSort
1_000	sorted_with_random_mid_1	3,354626	InsertionSort	713,077288	QuickSort_HighestPivot
1_000	sorted_with_random_start_1	0,985468	BubbleSort	297,887698	QuickSort_HighestPivot
1_000	sorted_with_random_end_half	31,402154	QuickSort_HighestPivot	633,368833	BubbleSort
1_000	sorted_with_random_mid_half	31,150765	QuickSort_HighestPivot	442,630346	BubbleSort
1_000	sorted_with_random_start_half	24,844814	QuickSort_MedianPivot	572,419375	QuickSort_HighestPivot
100_000	random	9975,098508	QuickSort_MedianPivot	19553,81622	MergeSort
100_000	sorted	3040,833344	QuickSort_MedianPivot	11752,44079	HeapSort
100_000	reversed	5327,663024	QuickSort_MedianPivot	8631,433386	HeapSort
100_000	sorted_with_shift_size/100->5	3360,867807	QuickSort_MedianPivot	9539,030579	HeapSort
100_000	sorted_with_shift_size/100->99	3716,81213	QuickSort_MedianPivot	9197,42127	HeapSort
100_000	sorted_with_random_end_1	5476,211989	QuickSort_RandomPivot	10022,22587	HeapSort
100_000	sorted_with_random_mid_1	5290,752131	QuickSort_RandomPivot	138331,68	QuickSort_MedianPivot
100_000	sorted_with_random_start_1	3251,326995	QuickSort_MedianPivot	9435,67581	HeapSort
100_000	sorted_with_random_end_half	8445,211944	QuickSort_MedianPivot	12782,88356	HeapSort
100_000	sorted_with_random_mid_half	8917,048683	QuickSort_RandomPivot	14229,80595	QuickSort_MedianPivot
100_000	sorted_with_random_start_half	7527,914114	QuickSort_RandomPivot	30305,72022	QuickSort_MedianPivot
1_000_000	random	112543,34	QuickSort_MedianPivot	232732,22	HeapSort
1_000_000	sorted	35511,81333	QuickSort_MedianPivot	100325,0267	HeapSort
1_000_000	reversed	63625,98333	QuickSort_RandomPivot	131474,2867	HeapSort
1_000_000	sorted_with_shift_size/100->5	35727,26667	QuickSort_MedianPivot	106599,9267	HeapSort
1_000_000	sorted_with_shift_size/100->99	36952,84333	QuickSort_MedianPivot	112376,3133	HeapSort
1_000_000	sorted_with_random_end_1	57641,39667	QuickSort_RandomPivot	109065,42	HeapSort
1_000_000	sorted_with_random_mid_1	60125,62	QuickSort_RandomPivot	103966,02	HeapSort
1_000_000	sorted_with_random_start_1	33980,44333	QuickSort_MedianPivot	114494,6533	HeapSort
1_000_000	sorted_with_random_end_half	96278,12	QuickSort_MedianPivot	187436,1733	HeapSort
1_000_000	sorted_with_random_mid_half	83912,68	QuickSort_MedianPivot	173652,6933	HeapSort
1_000_000	sorted_with_random_start_half	73219,54	QuickSort_MedianPivot	158243,1733	HeapSort

Algorithms	As Best	As Worst
SelectionSort	0	3
BubbleSort	3	9
InsertionSort	17	0
MergeSort	0	7
QuickSort_HighestPivot	3	8
QuickSort_MedianPivot	20	3
QuickSort_RandomPivot	8	2
HeapSort	0	18

Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,035561	0,012919	us/op	10	sorted_with_random_start_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,032384	0,006885	us/op	10	sorted_with_random_start_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,229492	0,045728	us/op	10	sorted_with_random_start_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,098817	0,00643	us/op	10	sorted_with_random_start_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,085126	0,02463	us/op	10	sorted_with_random_start_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,181691	0,009002	us/op	10	sorted_with_random_start_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,096806	0,005021	us/op	10	sorted_with_random_start_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,661004	0,544904	us/op	100	random	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6,516178	1,802639	us/op	100	random	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,485106	0,098073	us/op	100	random	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,51187	0,807605	us/op	100	random	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,936873	0,025072	us/op	100	random	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,969989	0,032263	us/op	100	random	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,136474	0,108399	us/op	100	random	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,867154	0,122975	us/op	100	random	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,401162	0,153261	us/op	100	sorted	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,102064	0,047498	us/op	100	sorted	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,096894	0,032774	us/op	100	sorted	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,696117	0,78701	us/op	100	sorted	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,26116	0,069489	us/op	100	sorted	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,902887	0,030686	us/op	100	sorted	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,834915	0,130189	us/op	100	sorted	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,831579	0,060712	us/op	100	sorted	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	7,895634	0,17746	us/op	100	reversed	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5,328024	1,809579	us/op	100	reversed	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,811721	1,690462	us/op	100	reversed	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,065037	0,894516	us/op	100	reversed	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,294375	0,423986	us/op	100	reversed	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,038103	0,052787	us/op	100	reversed	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,189935	0,113091	us/op	100	reversed	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,700711	0,407429	us/op	100	reversed	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,969156	0,443795	us/op	100	sorted_with_shift_size/100->5	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5,323051	1,628785	us/op	100	sorted_with_shift_size/100->5	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,450328	0,029951	us/op	100	sorted_with_shift_size/100->5	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,000632	0,692741	us/op	100	sorted_with_shift_size/100->5	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,047628	0,044605	us/op	100	sorted_with_shift_size/100->5	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,009386	0,053608	us/op	100	sorted_with_shift_size/100->5	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,866533	0,926563	us/op	100	sorted_with_shift_size/100->5	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,369916	0,708651	us/op	100	sorted_with_shift_size/100->5	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6,606797	6,234314	us/op	100	sorted_with_shift_size/100->99	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6,98367	2,532212	us/op	100	sorted_with_shift_size/100->99	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,272114	0,043007	us/op	100	sorted_with_shift_size/100->99	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,091524	1,127115	us/op	100	sorted_with_shift_size/100->99	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,255918	0,453027	us/op	100	sorted_with_shift_size/100->99	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,390405	0,052132	us/op	100	sorted_with_shift_size/100->99	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,894202	0,117904	us/op	100	sorted_with_shift_size/100->99	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,919384	0,162515	us/op	100	sorted_with_shift_size/100->99	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,76978	0,695567	us/op	100	sorted_with_random_end_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	7,940488	2,257596	us/op	100	sorted_with_random_end_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,323169	0,036646	us/op	100	sorted_with_random_end_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,171034	0,821258	us/op	100	sorted_with_random_end_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,205053	0,189274	us/op	100	sorted_with_random_end_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,53828	0,12192	us/op	100	sorted_with_random_end_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,26703	0,223377	us/op	100	sorted_with_random_end_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,092112	0,148067	us/op	100	sorted_with_random_end_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,515044	3,026869	us/op	100	sorted_with_random_mid_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,586002	1,262644	us/op	100	sorted_with_random_mid_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,229203	0,054109	us/op	100	sorted_with_random_mid_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,47848	0,76875	us/op	100	sorted_with_random_mid_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6,517511	0,356114	us/op	100	sorted_with_random_mid_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,110048	0,093999	us/op	100	sorted_with_random_mid_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,563271	0,85996	us/op	100	sorted_with_random_mid_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,022823	0,096375	us/op	100	sorted_with_random_mid_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,587837	0,315966	us/op	100	sorted_with_random_start_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,092272	0,037912	us/op	100	sorted_with_random_start_1	BubbleSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm

Algorithms	As Best	As Worst

Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,122883	0,047079	us/op	100	sorted_with_random_start_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,085683	0,991306	us/op	100	sorted_with_random_start_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,8043	0,366483	us/op	100	sorted_with_random_start_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,086258	0,114884	us/op	100	sorted_with_random_start_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,750476	0,554837	us/op	100	sorted_with_random_start_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,288904	0,236817	us/op	100	sorted_with_random_start_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5,086368	3,69445	us/op	100	sorted_with_random_end_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	7,260986	2,010482	us/op	100	sorted_with_random_end_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,421398	0,753378	us/op	100	sorted_with_random_end_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5,061959	2,692759	us/op	100	sorted_with_random_end_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,120909	0,136012	us/op	100	sorted_with_random_end_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,271612	0,139148	us/op	100	sorted_with_random_end_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,626027	0,467972	us/op	100	sorted_with_random_end_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,224106	0,327255	us/op	100	sorted_with_random_end_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,415865	0,969133	us/op	100	sorted_with_random_mid_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,985106	2,014073	us/op	100	sorted_with_random_mid_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,728182	0,085675	us/op	100	sorted_with_random_mid_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,369254	1,651373	us/op	100	sorted_with_random_mid_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5,142585	2,903566	us/op	100	sorted_with_random_mid_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,160109	0,096436	us/op	100	sorted_with_random_mid_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,809845	0,65421	us/op	100	sorted_with_random_mid_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,27252	0,349203	us/op	100	sorted_with_random_mid_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,046565	0,53821	us/op	100	sorted_with_random_start_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,609718	1,565558	us/op	100	sorted_with_random_start_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,581141	0,046129	us/op	100	sorted_with_random_start_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,872595	0,826883	us/op	100	sorted_with_random_start_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6,367559	0,441493	us/op	100	sorted_with_random_start_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,075794	0,110172	us/op	100	sorted_with_random_start_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4,787941	1,264599	us/op	100	sorted_with_random_start_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	2,69364	1,634779	us/op	100	sorted_with_random_start_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	359,58993	13,750222	us/op	1_000	random	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	745,248529	288,682509	us/op	1_000	random	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	166,019352	17,692036	us/op	1_000	random	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	74,412235	11,342608	us/op	1_000	random	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	42,661839	14,330453	us/op	1_000	random	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	41,718901	2,821003	us/op	1_000	random	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	65,972147	4,38574	us/op	1_000	random	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	76,037829	12,842094	us/op	1_000	random	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	171,829874	8,945531	us/op	1_000	sorted	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,12172	0,452017	us/op	1_000	sorted	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,083642	0,447361	us/op	1_000	sorted	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	35,961958	10,117578	us/op	1_000	sorted	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	280,556965	194,407199	us/op	1_000	sorted	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	14,828922	1,026994	us/op	1_000	sorted	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	41,052634	4,488914	us/op	1_000	sorted	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	59,678627	4,299221	us/op	1_000	sorted	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1127,199903	356,055456	us/op	1_000	reversed	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	490,779706	19,247201	us/op	1_000	reversed	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	332,123158	27,313112	us/op	1_000	reversed	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	47,884999	11,287376	us/op	1_000	reversed	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	363,996884	22,206719	us/op	1_000	reversed	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	30,50862	22,788401	us/op	1_000	reversed	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	48,822432	7,717514	us/op	1_000	reversed	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	55,233042	3,106684	us/op	1_000	reversed	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	274,043813	88,411063	us/op	1_000	sorted_with_shift_size/100->5	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	10,114124	1,196792	us/op	1_000	sorted_with_shift_size/100->5	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,338474	0,674725	us/op	1_000	sorted_with_shift_size/100->5	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	63,586432	29,03913	us/op	1_000	sorted_with_shift_size/100->5	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	412,312641	14,91152	us/op	1_000	sorted_with_shift_size/100->5	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	18,248631	2,186421	us/op	1_000	sorted_with_shift_size/100->5	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	50,728564	15,750896	us/op	1_000	sorted_with_shift_size/100->5	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	61,701885	4,571659	us/op	1_000	sorted_with_shift_size/100->5	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	347,494575	46,726195	us/op	1_000	sorted_with_shift_size/100->99	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	374,597261	118,291794	us/op	1_000	sorted_with_shift_size/100->99	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	42,488924	6,040199	us/op	1_000	sorted_with_shift_size/100->99	InsertionSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm		Algorithms	As Best	As Worst

Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	46,930358	8,742554	us/op	1_000	sorted_with_shift_size/100->99	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	33,205151	5,221185	us/op	1_000	sorted_with_shift_size/100->99	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	20,073434	2,070576	us/op	1_000	sorted_with_shift_size/100->99	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	51,734645	4,458604	us/op	1_000	sorted_with_shift_size/100->99	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	77,961407	28,943105	us/op	1_000	sorted_with_shift_size/100->99	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	369,905942	223,129623	us/op	1_000	sorted_with_random_end_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	298,705595	80,382117	us/op	1_000	sorted_with_random_end_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,892671	0,925771	us/op	1_000	sorted_with_random_end_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	44,021364	8,35109	us/op	1_000	sorted_with_random_end_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	212,049627	48,298436	us/op	1_000	sorted_with_random_end_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	137,449919	26,542857	us/op	1_000	sorted_with_random_end_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	38,799271	2,055913	us/op	1_000	sorted_with_random_end_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	57,966355	4,551901	us/op	1_000	sorted_with_random_end_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	259,180266	19,223046	us/op	1_000	sorted_with_random_mid_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	232,497189	7,800925	us/op	1_000	sorted_with_random_mid_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3,354626	0,888365	us/op	1_000	sorted_with_random_mid_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	47,938009	9,343462	us/op	1_000	sorted_with_random_mid_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	713,077288	167,462096	us/op	1_000	sorted_with_random_mid_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	28,011041	4,459895	us/op	1_000	sorted_with_random_mid_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	46,603226	9,479236	us/op	1_000	sorted_with_random_mid_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	61,829617	13,578144	us/op	1_000	sorted_with_random_mid_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	164,963741	9,645878	us/op	1_000	sorted_with_random_start_1	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	0,985468	0,386584	us/op	1_000	sorted_with_random_start_1	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	1,012863	0,424853	us/op	1_000	sorted_with_random_start_1	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	40,913702	19,73096	us/op	1_000	sorted_with_random_start_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	297,887698	237,452133	us/op	1_000	sorted_with_random_start_1	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	15,94021	2,959727	us/op	1_000	sorted_with_random_start_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	44,917237	6,433343	us/op	1_000	sorted_with_random_start_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	72,611548	26,932	us/op	1_000	sorted_with_random_start_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	502,543676	160,876634	us/op	1_000	sorted_with_random_end_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	633,368833	147,772463	us/op	1_000	sorted_with_random_end_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	122,413604	23,496295	us/op	1_000	sorted_with_random_end_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	62,371302	17,167288	us/op	1_000	sorted_with_random_end_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	31,402154	9,839968	us/op	1_000	sorted_with_random_end_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	35,945183	10,871781	us/op	1_000	sorted_with_random_end_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	62,091312	10,646386	us/op	1_000	sorted_with_random_end_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	66,164063	4,704935	us/op	1_000	sorted_with_random_end_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	404,831093	99,267392	us/op	1_000	sorted_with_random_mid_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	442,630346	68,351187	us/op	1_000	sorted_with_random_mid_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	88,535574	12,578318	us/op	1_000	sorted_with_random_mid_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	57,228334	17,590457	us/op	1_000	sorted_with_random_mid_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	329,876084	30,76499	us/op	1_000	sorted_with_random_mid_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	31,150765	14,126979	us/op	1_000	sorted_with_random_mid_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	55,52474	2,745522	us/op	1_000	sorted_with_random_mid_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	65,37537	6,899779	us/op	1_000	sorted_with_random_mid_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	318,046888	18,530106	us/op	1_000	sorted_with_random_start_half	SelectionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	407,82049	29,377031	us/op	1_000	sorted_with_random_start_half	BubbleSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	108,783114	12,66965	us/op	1_000	sorted_with_random_start_half	InsertionSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	61,79042	14,192447	us/op	1_000	sorted_with_random_start_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	572,419375	65,590973	us/op	1_000	sorted_with_random_start_half	QuickSort_HighestPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	24,844814	3,565446	us/op	1_000	sorted_with_random_start_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	57,935063	12,537782	us/op	1_000	sorted_with_random_start_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	70,24596	15,569144	us/op	1_000	sorted_with_random_start_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	19553,81622	14600,95776	us/op	100_000	random	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9975,098508	987,280893	us/op	100_000	random	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	11231,00378	3351,103043	us/op	100_000	random	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	15055,607	2577,069766	us/op	100_000	random	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	4762,411888	1326,989035	us/op	100_000	sorted	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3040,833344	241,725834	us/op	100_000	sorted	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5576,316741	333,733886	us/op	100_000	sorted	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	11752,44079	4927,770116	us/op	100_000	sorted	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5973,097723	1439,985424	us/op	100_000	reversed	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5327,663024	532,510884	us/op	100_000	reversed	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5585,948444	300,607752	us/op	100_000	reversed	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	8631,433386	721,5277	us/op	100_000	reversed	HeapSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm		Algorithms	As Best	As Worst

Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5557,352766	1024,135943	us/op	100_000	sorted_with_shift_size/100->5	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3360,867807	448,739706	us/op	100_000	sorted_with_shift_size/100->5	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5837,219162	726,27057	us/op	100_000	sorted_with_shift_size/100->5	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9539,030579	934,109059	us/op	100_000	sorted_with_shift_size/100->5	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5497,781451	1181,68919	us/op	100_000	sorted_with_shift_size/100->99	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3716,81213	2076,968002	us/op	100_000	sorted_with_shift_size/100->99	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5301,241722	363,097319	us/op	100_000	sorted_with_shift_size/100->99	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9197,42127	698,163645	us/op	100_000	sorted_with_shift_size/100->99	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5747,992098	1134,94949	us/op	100_000	sorted_with_random_end_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5476,211989	477,165875	us/op	100_000	sorted_with_random_end_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	10022,22587	1815,232484	us/op	100_000	sorted_with_random_end_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	6052,200939	1244,2922	us/op	100_000	sorted_with_random_mid_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	5	138331,68	78520,35194	us/op	100_000	sorted_with_random_mid_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5290,752131	727,694164	us/op	100_000	sorted_with_random_mid_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9419,001706	948,752749	us/op	100_000	sorted_with_random_mid_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5637,337628	3189,2009	us/op	100_000	sorted_with_random_start_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	3251,326995	208,026053	us/op	100_000	sorted_with_random_start_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	5818,393495	431,90648	us/op	100_000	sorted_with_random_start_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9435,67581	759,502496	us/op	100_000	sorted_with_random_start_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	10715,22695	1530,171133	us/op	100_000	sorted_with_random_end_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	8445,211944	1162,039353	us/op	100_000	sorted_with_random_end_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	8554,111706	509,488747	us/op	100_000	sorted_with_random_end_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	12782,88356	2330,274101	us/op	100_000	sorted_with_random_end_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	9698,52477	1151,024617	us/op	100_000	sorted_with_random_mid_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	14229,80595	9012,058373	us/op	100_000	sorted_with_random_mid_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	8917,048683	1529,561544	us/op	100_000	sorted_with_random_mid_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	12635,71022	903,073678	us/op	100_000	sorted_with_random_mid_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	10810,85056	2531,149671	us/op	100_000	sorted_with_random_start_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	30305,72022	37398,50652	us/op	100_000	sorted_with_random_start_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	7527,914114	658,093202	us/op	100_000	sorted_with_random_start_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	10912,28889	448,331264	us/op	100_000	sorted_with_random_start_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	175671,9733	19373,12988	us/op	1_000_000	random	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	116279,8933	11685,03536	us/op	1_000_000	random	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	112543,34	9747,636569	us/op	1_000_000	random	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	232732,22	63804,42858	us/op	1_000_000	random	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	50877,14667	16663,30709	us/op	1_000_000	sorted	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	35511,81333	2871,949894	us/op	1_000_000	sorted	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	59184,71333	5994,816341	us/op	1_000_000	sorted	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	100325,0267	5835,767672	us/op	1_000_000	sorted	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	66469,27	19429,47172	us/op	1_000_000	reversed	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	70931,67333	12222,34653	us/op	1_000_000	reversed	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	63625,98333	7285,931834	us/op	1_000_000	reversed	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	131474,2867	51234,84976	us/op	1_000_000	reversed	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	68438,77333	15514,01568	us/op	1_000_000	sorted_with_shift_size/100->5	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	35727,26667	11209,56674	us/op	1_000_000	sorted_with_shift_size/100->5	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	61047,44	4737,054921	us/op	1_000_000	sorted_with_shift_size/100->5	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	106599,9267	6241,05282	us/op	1_000_000	sorted_with_shift_size/100->5	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	69023,59	13460,15984	us/op	1_000_000	sorted_with_shift_size/100->99	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	36952,84333	7432,470175	us/op	1_000_000	sorted_with_shift_size/100->99	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	59778,93667	3988,8191148	us/op	1_000_000	sorted_with_shift_size/100->99	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	112376,3133	6575,687066	us/op	1_000_000	sorted_with_shift_size/100->99	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	67426,62	9564,523791	us/op	1_000_000	sorted_with_random_end_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	57641,39667	3754,3244497	us/op	1_000_000	sorted_with_random_end_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	109065,42	10413,51452	us/op	1_000_000	sorted_with_random_end_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	71474,59333	10983,07755	us/op	1_000_000	sorted_with_random_mid_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	60125,62	3549,500514	us/op	1_000_000	sorted_with_random_mid_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	103966,02	11723,03629	us/op	1_000_000	sorted_with_random_mid_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	53843,13333	18664,29742	us/op	1_000_000	sorted_with_random_start_1	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	33980,44333	3630,533258	us/op	1_000_000	sorted_with_random_start_1	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	62711,08	13726,83064	us/op	1_000_000	sorted_with_random_start_1	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	114494,6533	15793,2849	us/op	1_000_000	sorted_with_random_start_1	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	110350,48	8203,239901	us/op	1_000_000	sorted_with_random_end_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	96278,12	9437,520816	us/op	1_000_000	sorted_with_random_end_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	97918,67333	6871,005447	us/op	1_000_000	sorted_with_random_end_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	187436,1733	25652,71431	us/op	1_000_000	sorted_with_random_end_half	HeapSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm	Algorithms	As Best	As Worst

Benchmark	Mode	Threads	Samples	Score	Score Error (99,9%)	Unit	Param: size	Param: arrayType	Param: algorithmType
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	121650,86	17441,15495	us/op	1_000_000	sorted_with_random_mid_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	5	83912,68	9934,76814	us/op	1_000_000	sorted_with_random_mid_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	92462,61333	5167,25182	us/op	1_000_000	sorted_with_random_mid_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	173652,6933	17931,3096	us/op	1_000_000	sorted_with_random_mid_half	HeapSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	114557,7667	22732,59358	us/op	1_000_000	sorted_with_random_start_half	MergeSort
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	10	73219,54	6117,083378	us/op	1_000_000	sorted_with_random_start_half	QuickSort_MedianPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	87872,13333	7035,945314	us/op	1_000_000	sorted_with_random_start_half	QuickSort_RandomPivot
pl.mwasyluk.sorting.benchmarks.SortingAlgorithmBenchmark.sort	avgt	1	15	158243,1733	23011,15901	us/op	1_000_000	sorted_with_random_start_half	HeapSort

Size	ArrayType	Best Score	Best Algorithm	Worst Score	Worst Algorithm

Algorithms	As Best	As Worst