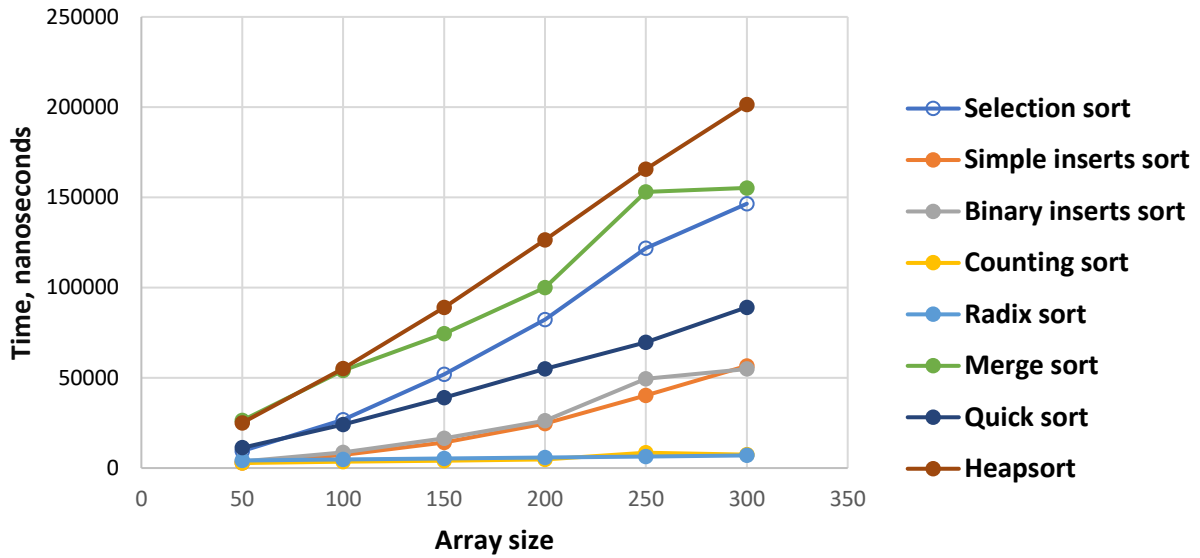


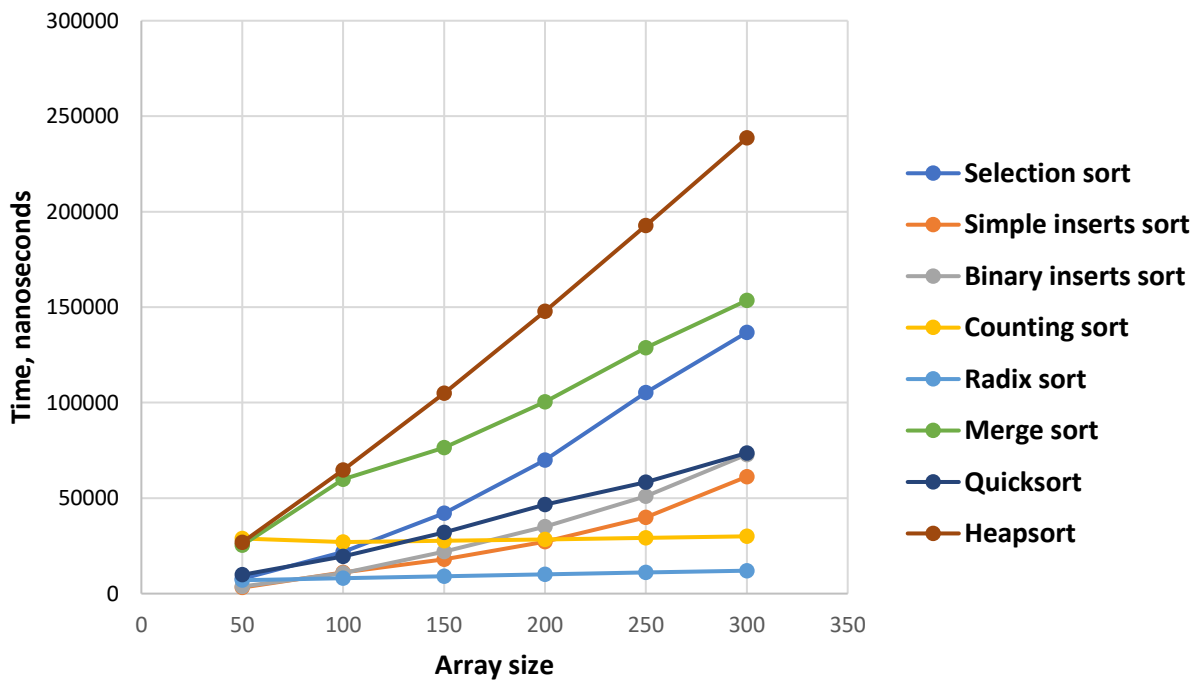
Tables and Graphs

Sorting Type	input Type	Array size					
		50	100	150	200	250	300
Selection sort	Random values from 0 to 5	9426	26790	52032	82298	121798	146462
	Random values from 0 to 4000	7762	21872	42014	69844	105322	136784
	Numbers almost sorted in the required order	5056	13330	28102	53226	74008	103416
	Reverse sorted (descending) numbers from 4100 to 1	6534	18186	37182	67130	88742	124494
Simple inserts sort	Random values from 0 to 5	2778	7220	14168	24648	40216	56626
	Random values from 0 to 4000	3180	11122	17926	27206	39992	61228
	Numbers almost sorted in the required order	1424	1716	1990	2364	2580	2890
	Reverse sorted (descending) numbers from 4100 to 1	4546	14424	30634	59322	82202	118376
Binary inserts sort	Random values from 0 to 5	3658	8756	16394	26154	49410	54870
	Random values from 0 to 4000	3740	10804	21942	35126	51036	72842
	Numbers almost sorted in the required order	1968	2836	4002	4976	6356	7732
	Reverse sorted (descending) numbers from 4100 to 1	5556	15448	29664	50554	76418	109026
Counting sort	Random values from 0 to 5	2788	3514	4146	4862	8504	7440
	Random values from 0 to 4000	28804	27006	27646	28328	29182	30002
	Numbers almost sorted in the required order	6352	10850	17090	20462	25552	29748
	Reverse sorted (descending) numbers from 4100 to 1	8436	14186	21244	20550	25898	30574
Radix sort	Random values from 0 to 5	4180	4732	5318	5922	6412	6996
	Random values from 0 to 4000	7008	8062	9124	10112	11012	11998
	Numbers almost sorted in the required order	8272	7994	9028	9984	10918	11388
	Reverse sorted (descending) numbers from 4100 to 1	6942	7874	9004	12816	13534	11916
Merge sort	Random values from 0 to 5	26360	54026	74386	99964	152994	155234
	Random values from 0 to 4000	25350	59812	76420	100416	128666	153546
	Numbers almost sorted in the required order	24056	50136	74612	97676	125128	150526
	Reverse sorted (descending) numbers from 4100 to 1	23608	48752	73318	103430	126960	147572
Quicksort	Random values from 0 to 5	11252	24184	38928	55026	69688	89092
	Random values from 0 to 4000	9838	19456	32084	46676	58406	73636
	Numbers almost sorted in the required order	5056	8748	12190	17258	19730	24064
	Reverse sorted (descending) numbers from 4100 to 1	6356	12082	17112	23874	26420	33242
Heapsort	Random values from 0 to 5	25068	55064	89084	126476	165646	201394
	Random values from 0 to 4000	26864	64788	104982	147782	192664	238596
	Numbers almost sorted in the required order	29840	69606	111894	158414	206726	255810
	Reverse sorted (descending) numbers from 4100 to 1	27050	59492	92450	131688	175986	214538

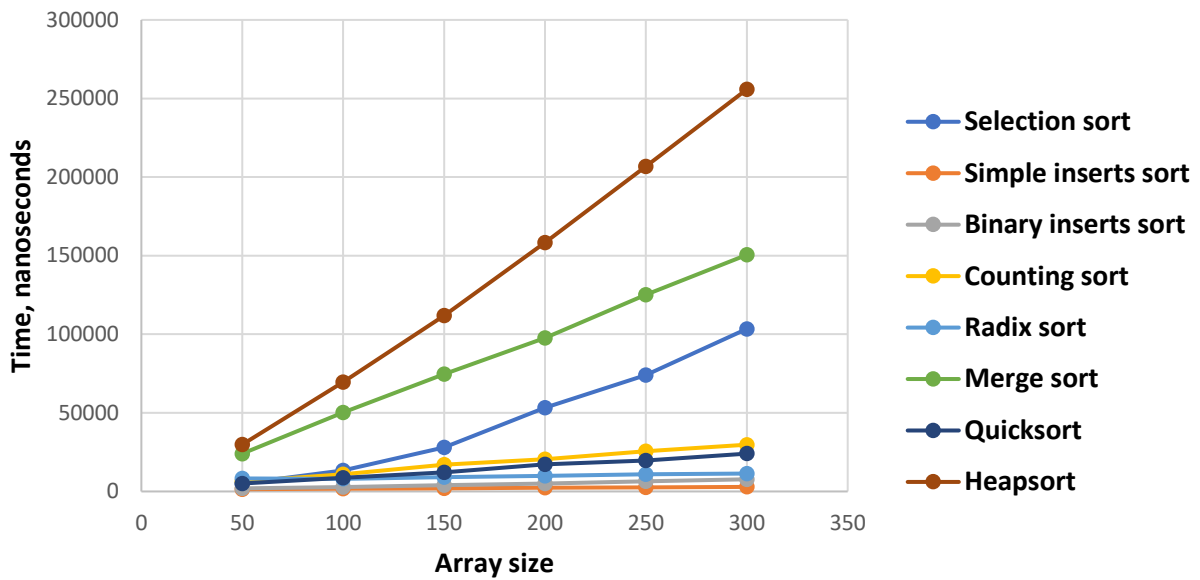
Random values from 0 to 5



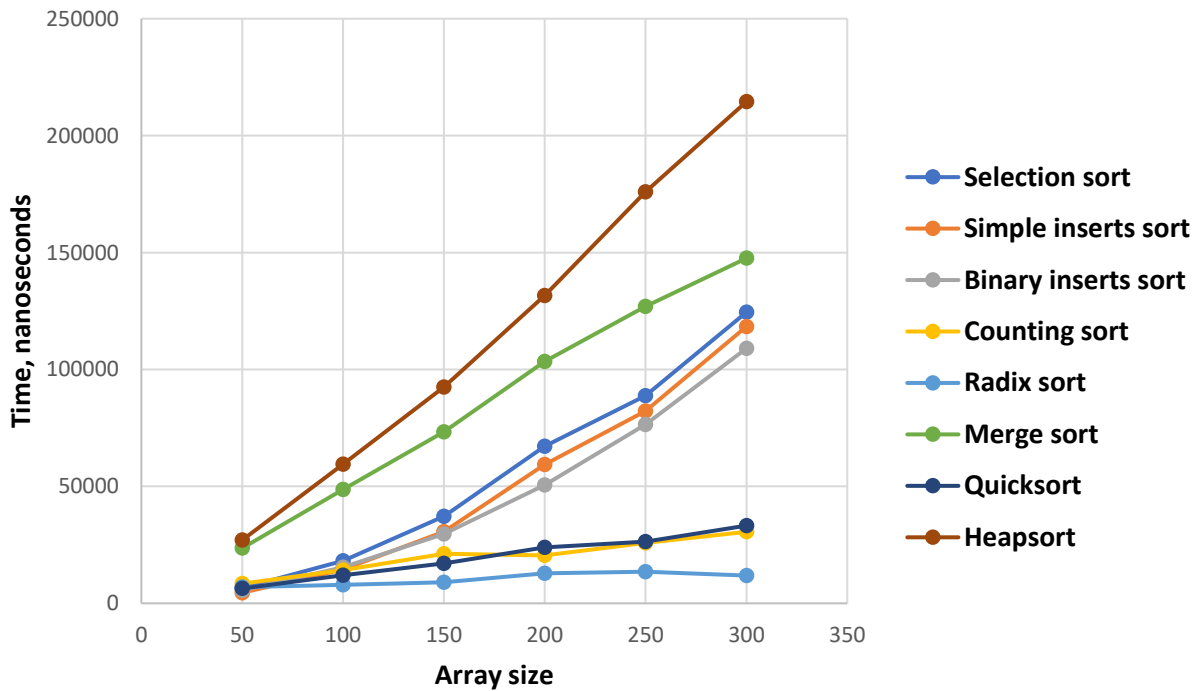
Random values from 0 to 4000



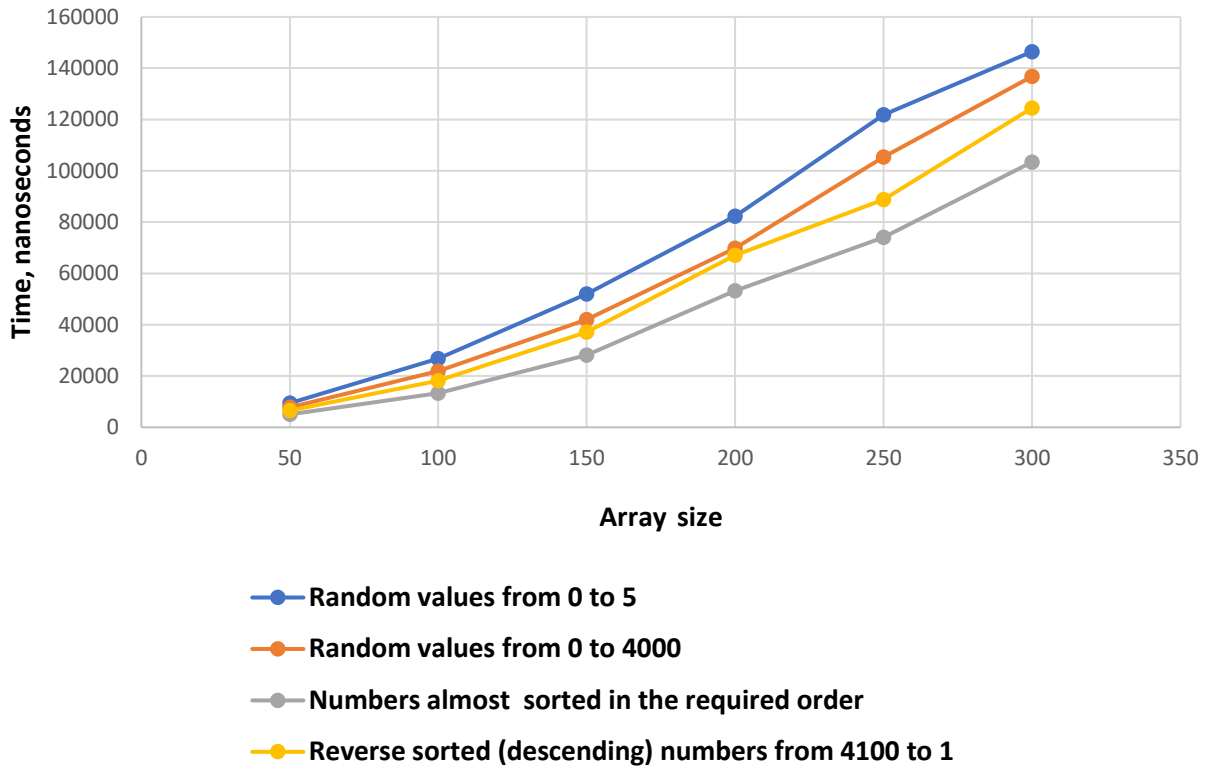
Numbers almost sorted in the required order



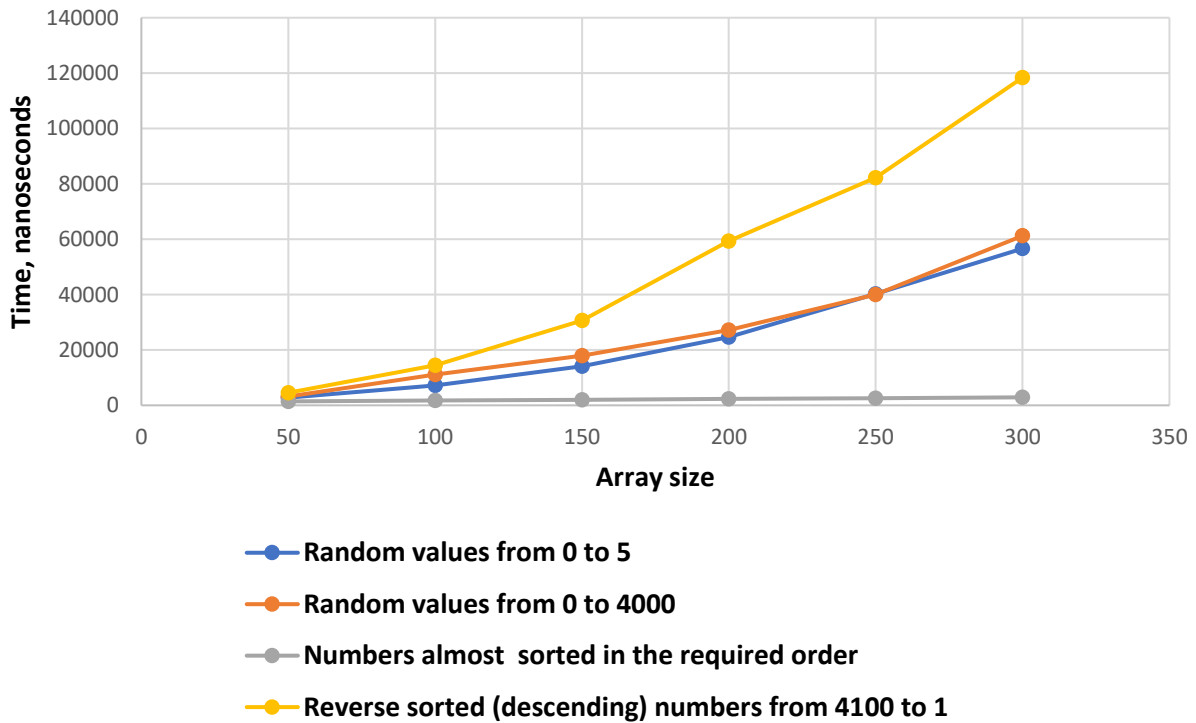
Reverse sorted (descending) numbers from 4100 to 1



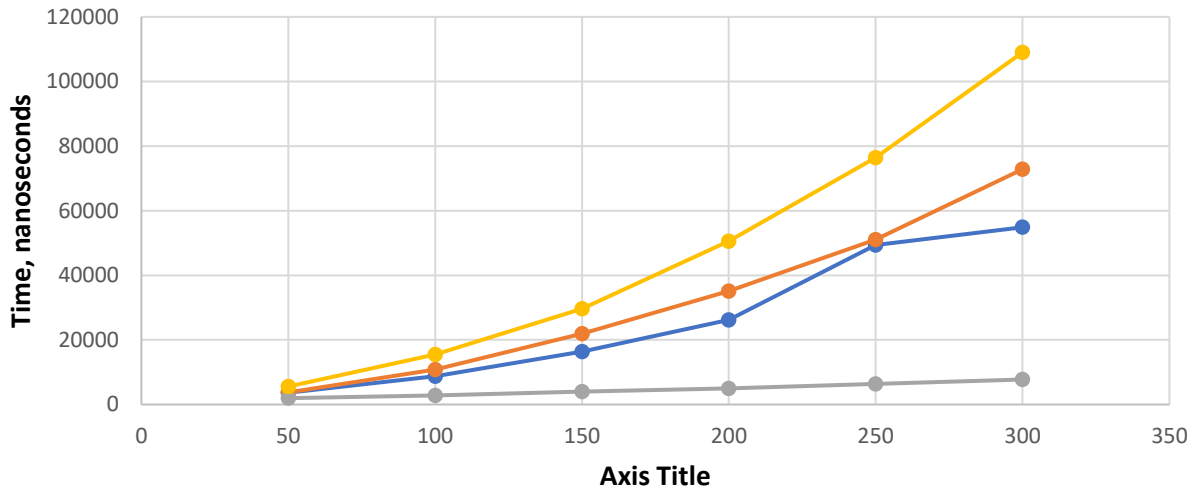
Selection sort



Simple inserts sort

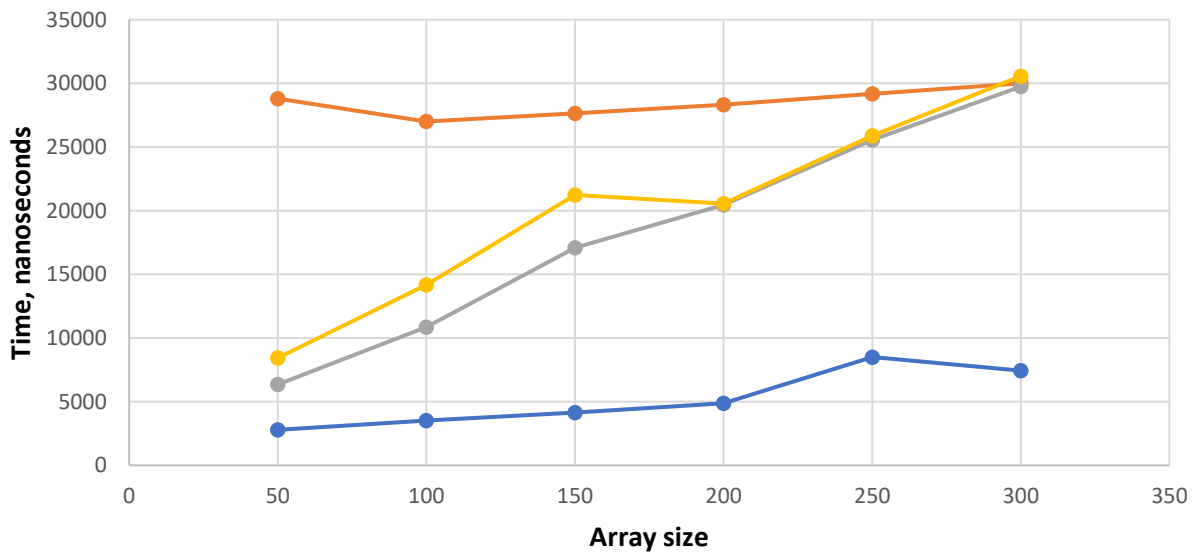


Binary inserts sort



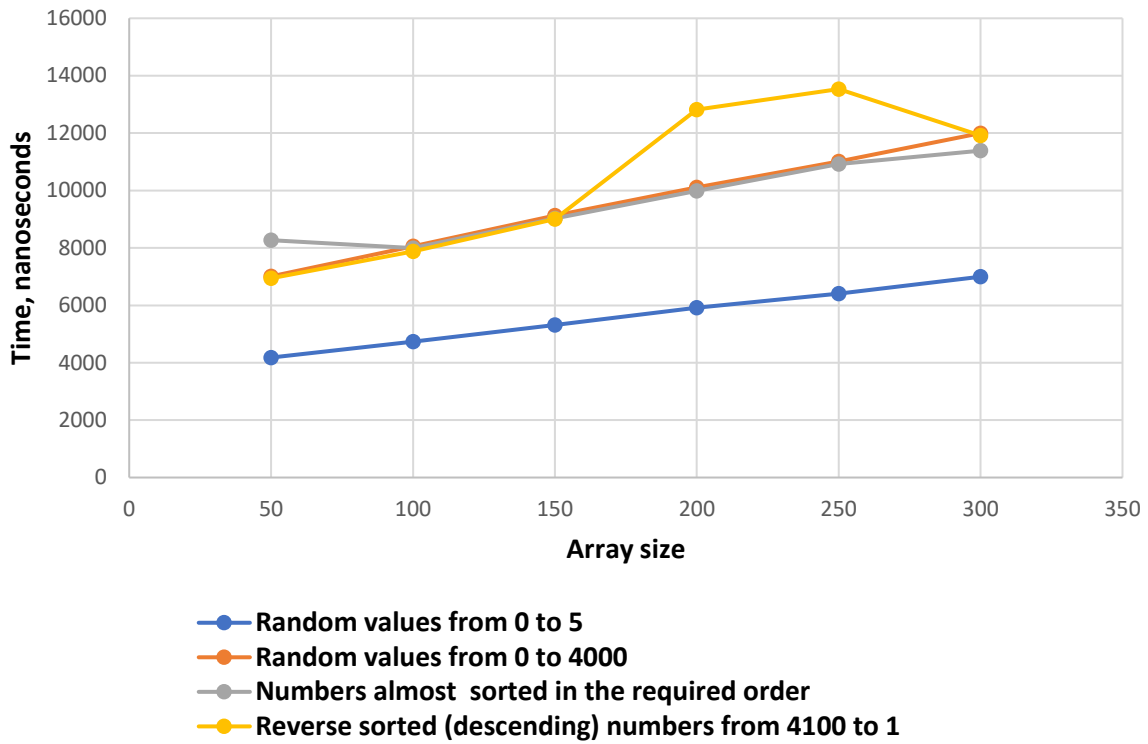
- Random values from 0 to 5
- Random values from 0 to 4000
- Numbers almost sorted in the required order
- Reverse sorted (descending) numbers from 4100 to 1

Counting sort

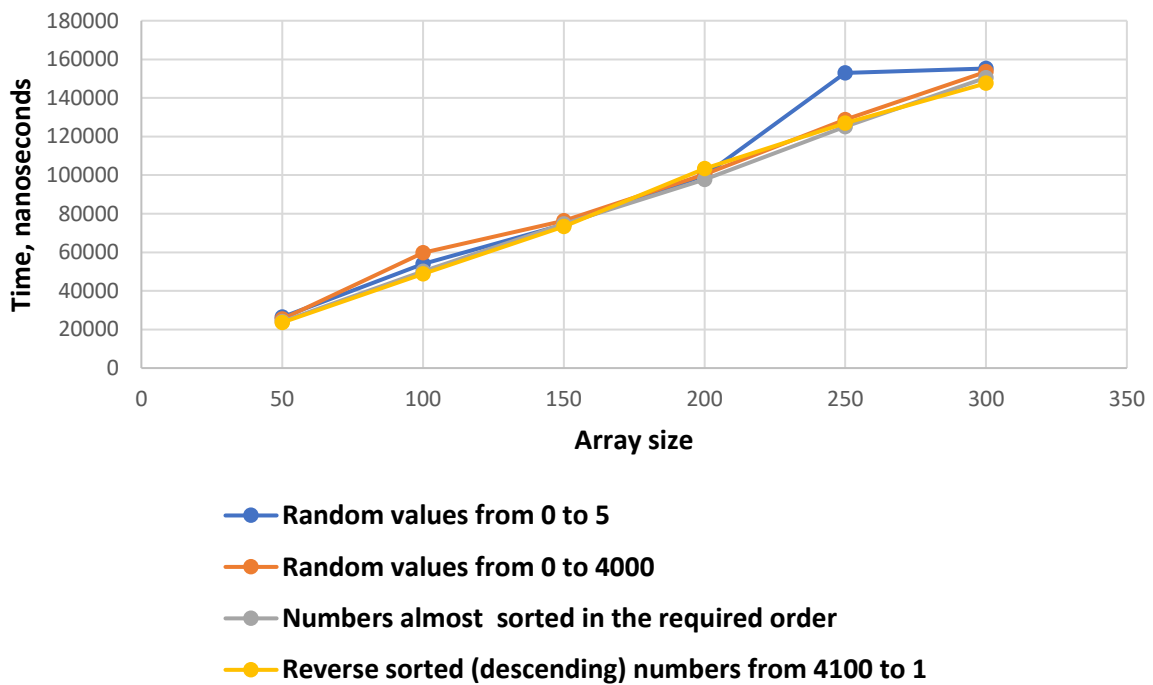


- Random values from 0 to 5
- Random values from 0 to 4000
- Numbers almost sorted in the required order
- Reverse sorted (descending) numbers from 4100 to 1

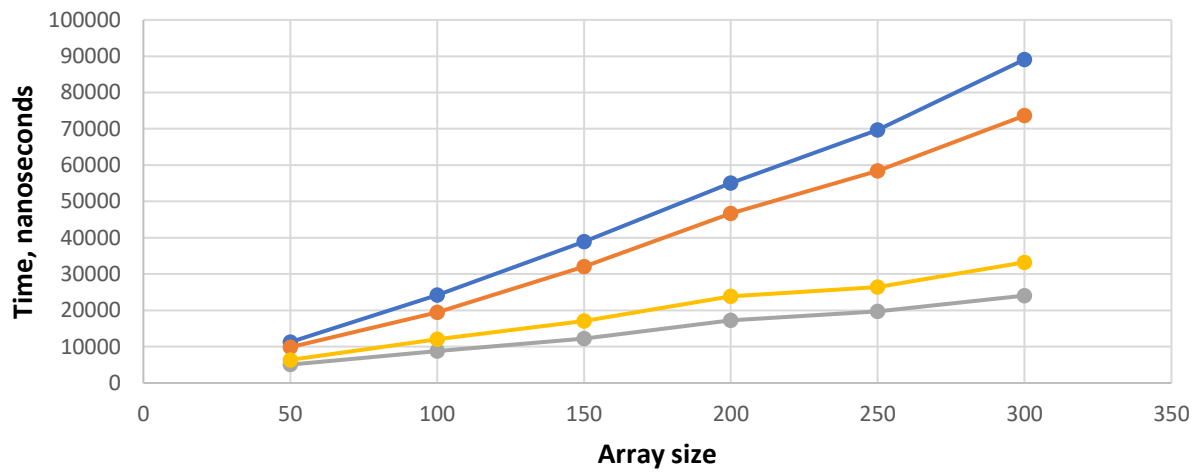
Radix sort



Merge sort

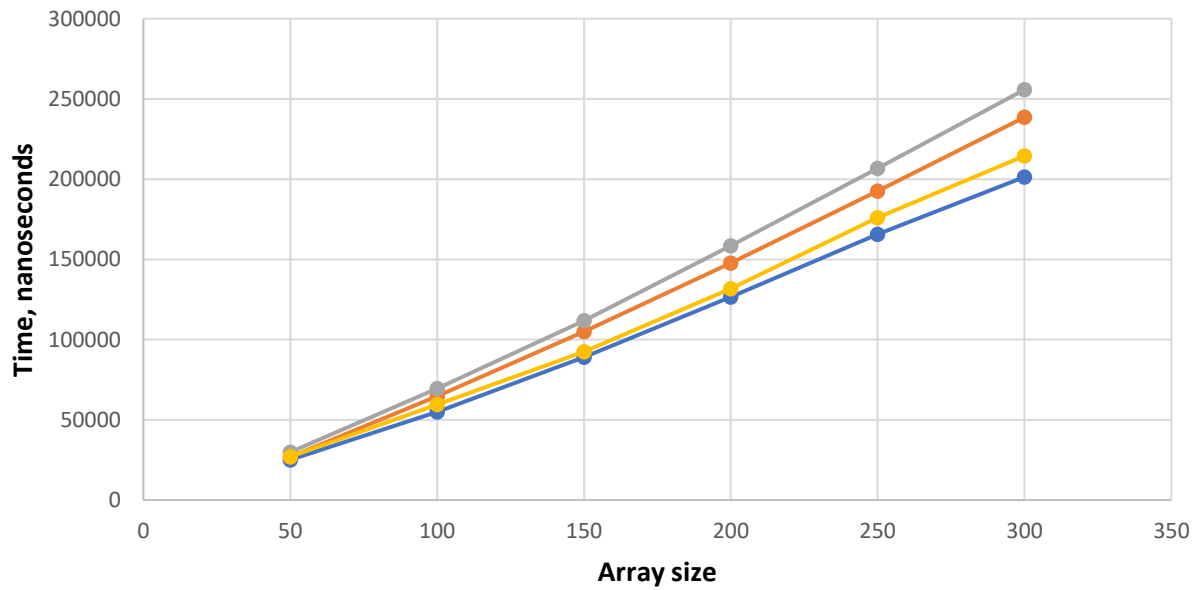


Quicksort



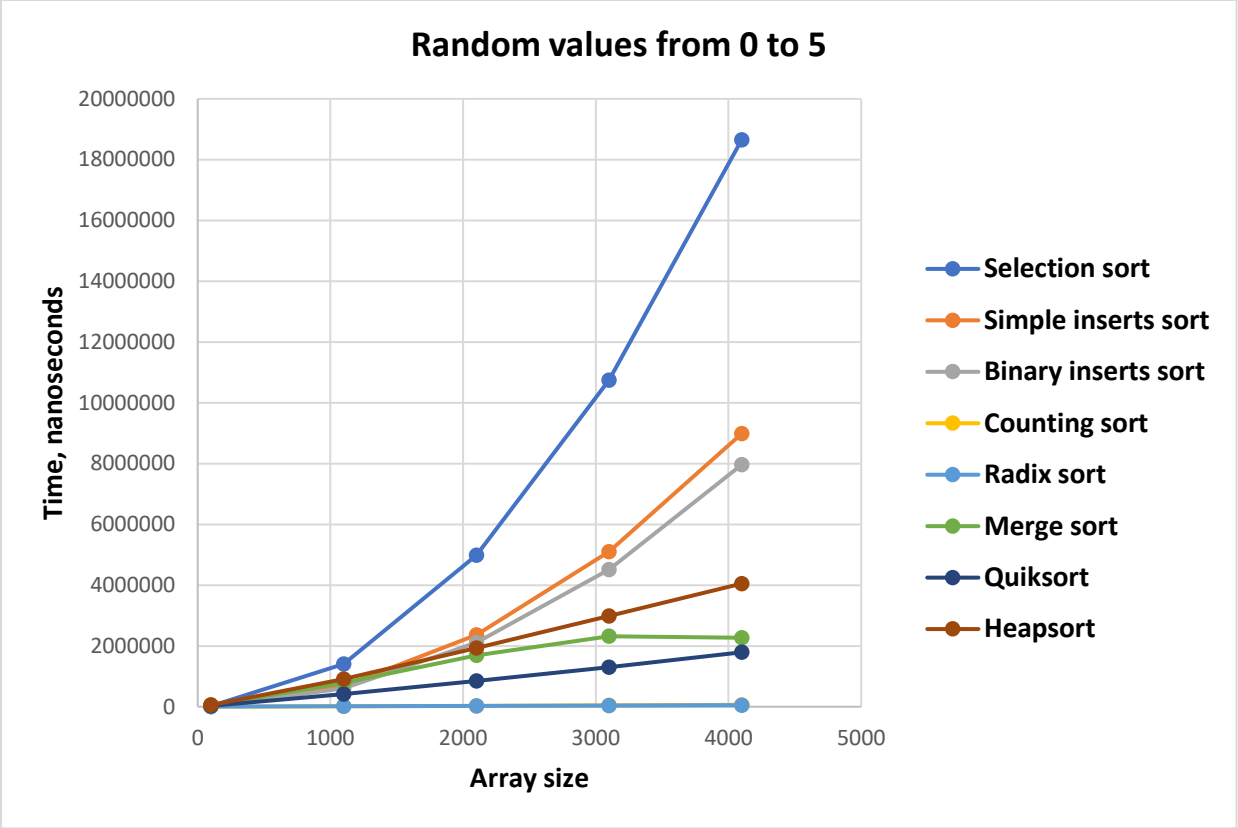
- Random values from 0 to 5
- Random values from 0 to 4000
- Numbers almost sorted in the required order
- Reverse sorted (descending) numbers from 4100 to 1

Heapsort

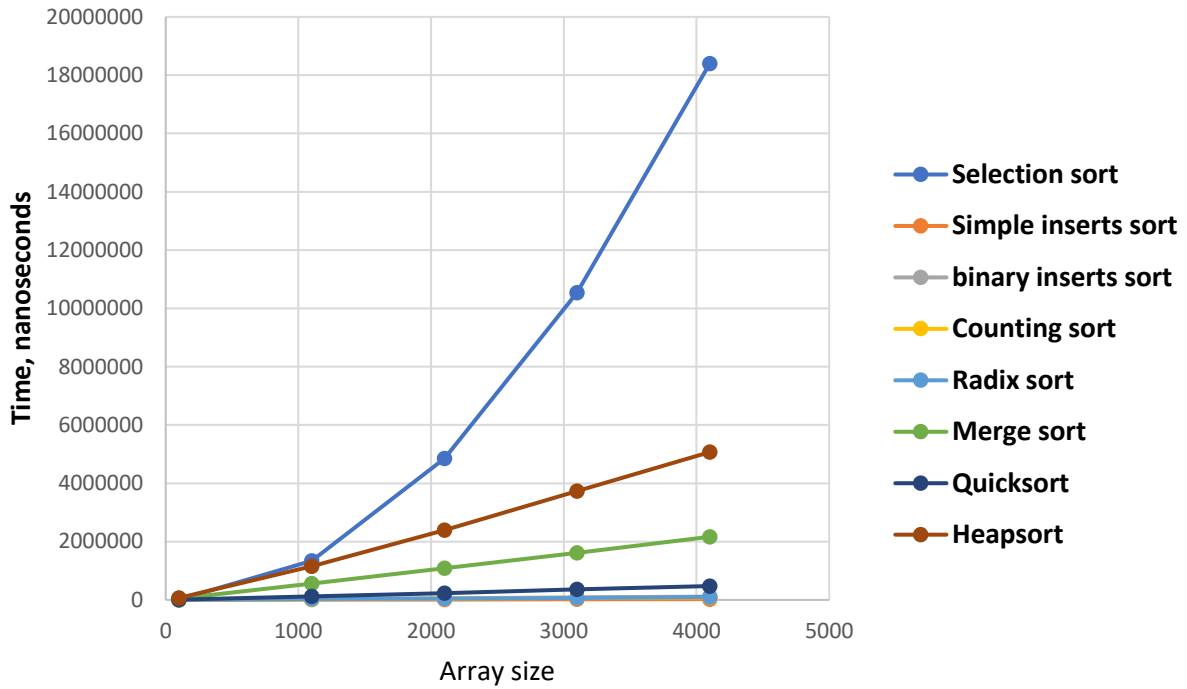


- Random values from 0 to 5
- Random values from 0 to 4000
- Numbers almost sorted in the required order
- Reverse sorted (descending) numbers from 4100 to 1

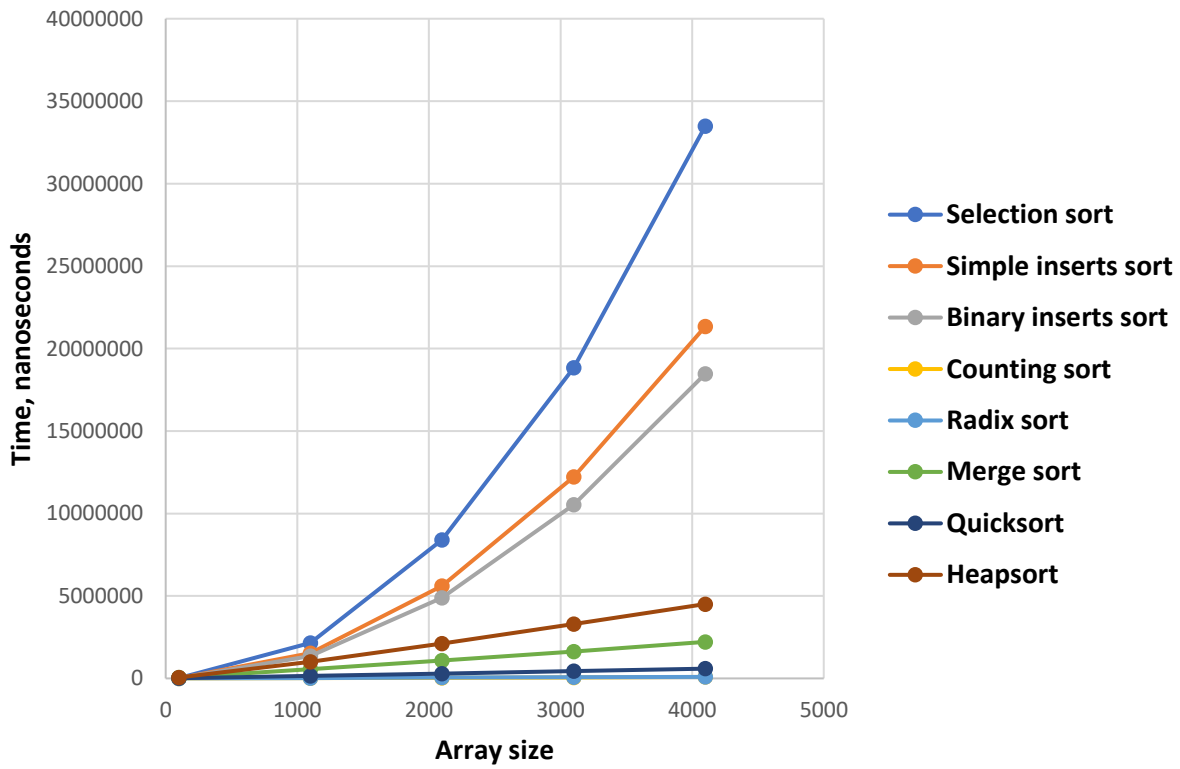
Sorting Type	input Type	Array size				
		100	1100	2100	3100	4100
Selection sort	Random values from 0 to 5	20132	1409278	4982374	10745120	18657878
	Random values from 0 to 4000	22114	1460478	5075732	10884406	18840864
	Numbers almost sorted in the required order	13688	1335134	4847034	10539840	18399386
	Reverse sorted (descending) numbers from 4100 to 1	18992	2146394	8401562	18843602	33491872
Simple inserts sort	Random values from 0 to 5	7290	677414	2366466	5101570	8989126
	Random values from 0 to 4000	8210	784390	2899842	6122020	10638296
	Numbers almost sorted in the required order	1730	7878	14108	20422	26550
	Reverse sorted (descending) numbers from 4100 to 1	14458	1540758	5611170	12217212	21340664
Binary inserts sort	Random values from 0 to 5	8026	603154	2111582	4516150	7965156
	Random values from 0 to 4000	10996	785522	2706556	5617686	9754412
	Numbers almost sorted in the required order	2666	27454	55664	85886	113968
	Reverse sorted (descending) numbers from 4100 to 1	14542	1361066	4883876	10544326	18471116
Counting sort	Random values from 0 to 5	3446	17680	31630	45892	60376
	Random values from 0 to 4000	26386	41476	56100	70018	83794
	Numbers almost sorted in the required order	4132	23912	44126	65436	87730
	Reverse sorted (descending) numbers from 4100 to 1	4118	24272	44144	67042	90964
Radix sort	Random values from 0 to 5	4490	16026	27734	38906	50612
	Random values from 0 to 4000	7372	27846	47770	68070	88332
	Numbers almost sorted in the required order	4462	27820	48726	69578	103320
	Reverse sorted (descending) numbers from 4100 to 1	7332	27704	48682	68640	90568
Merge sort	Random values from 0 to 5	55286	779642	1687146	2317856	2273850
	Random values from 0 to 4000	50846	614924	1188720	1789810	2379886
	Numbers almost sorted in the required order	49812	559822	1083240	1615470	2164280
	Reverse sorted (descending) numbers from 4100 to 1	52602	558294	1085474	1638266	2216574
Quicksort	Random values from 0 to 5	28638	414212	847240	1295592	1791434
	Random values from 0 to 4000	20038	330150	690670	1076508	1456746
	Numbers almost sorted in the required order	10056	119880	234804	358284	476070
	Reverse sorted (descending) numbers from 4100 to 1	13876	155580	297562	446104	591516
Heapsort	Random values from 0 to 5	54082	910078	1930108	2989112	4052378
	Random values from 0 to 4000	63042	1093066	2292732	3584926	4884136
	Numbers almost sorted in the required order	69428	1149186	2393266	3735516	5070436
	Reverse sorted (descending) numbers from 4100 to 1	56818	1003604	2106670	3289632	4509440



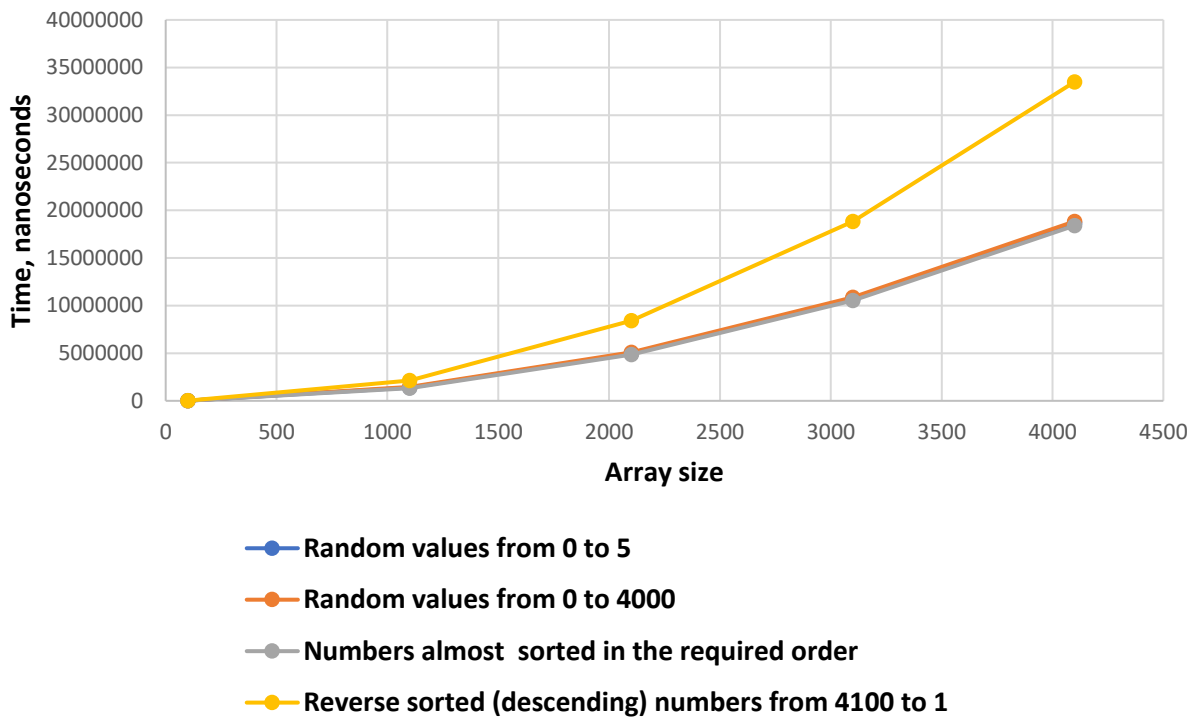
Numbers almost sorted in the required order



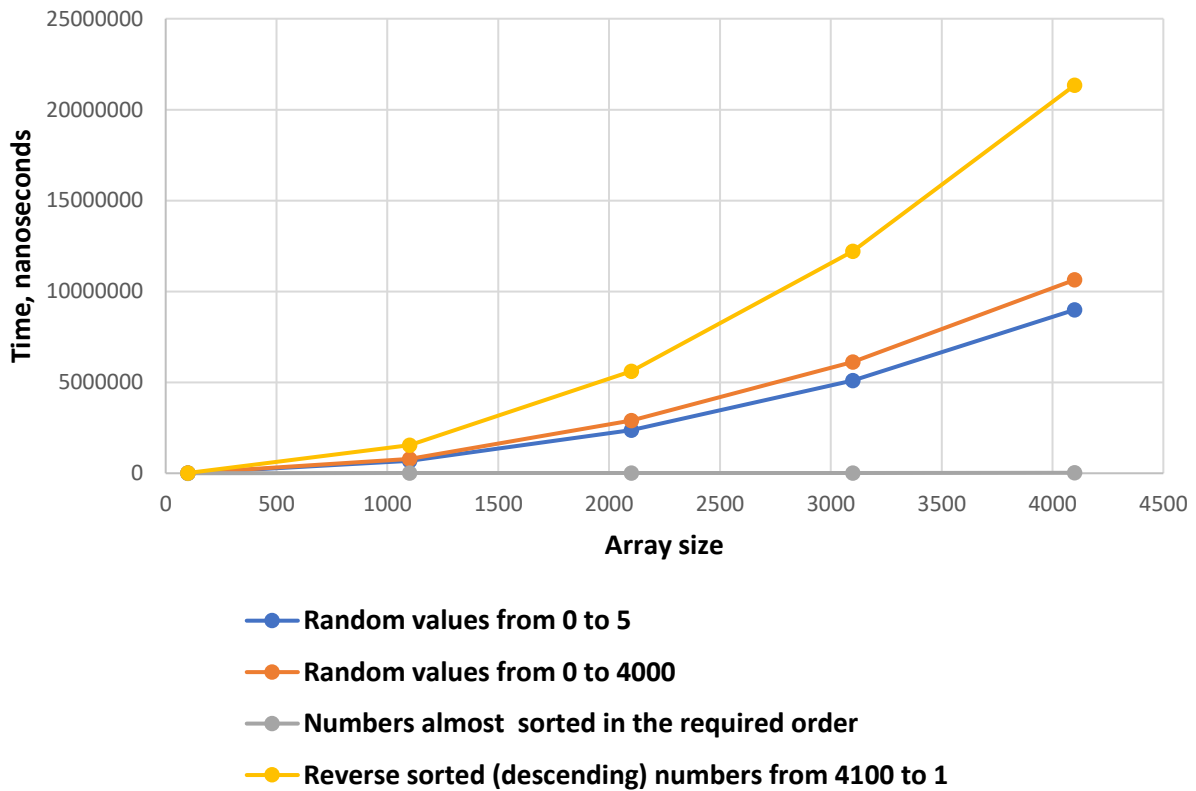
Reverse sorted (descending) numbers from 4100 to 1



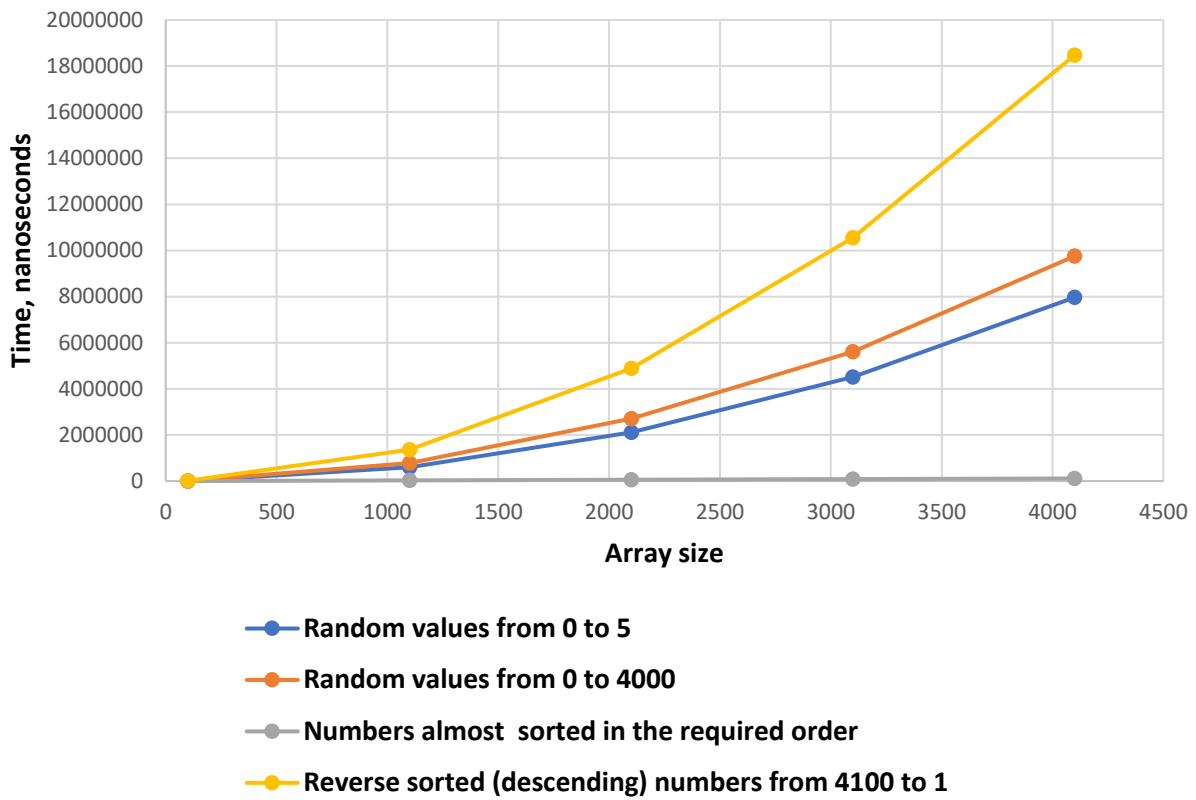
Selection sort



Simple inserts sort

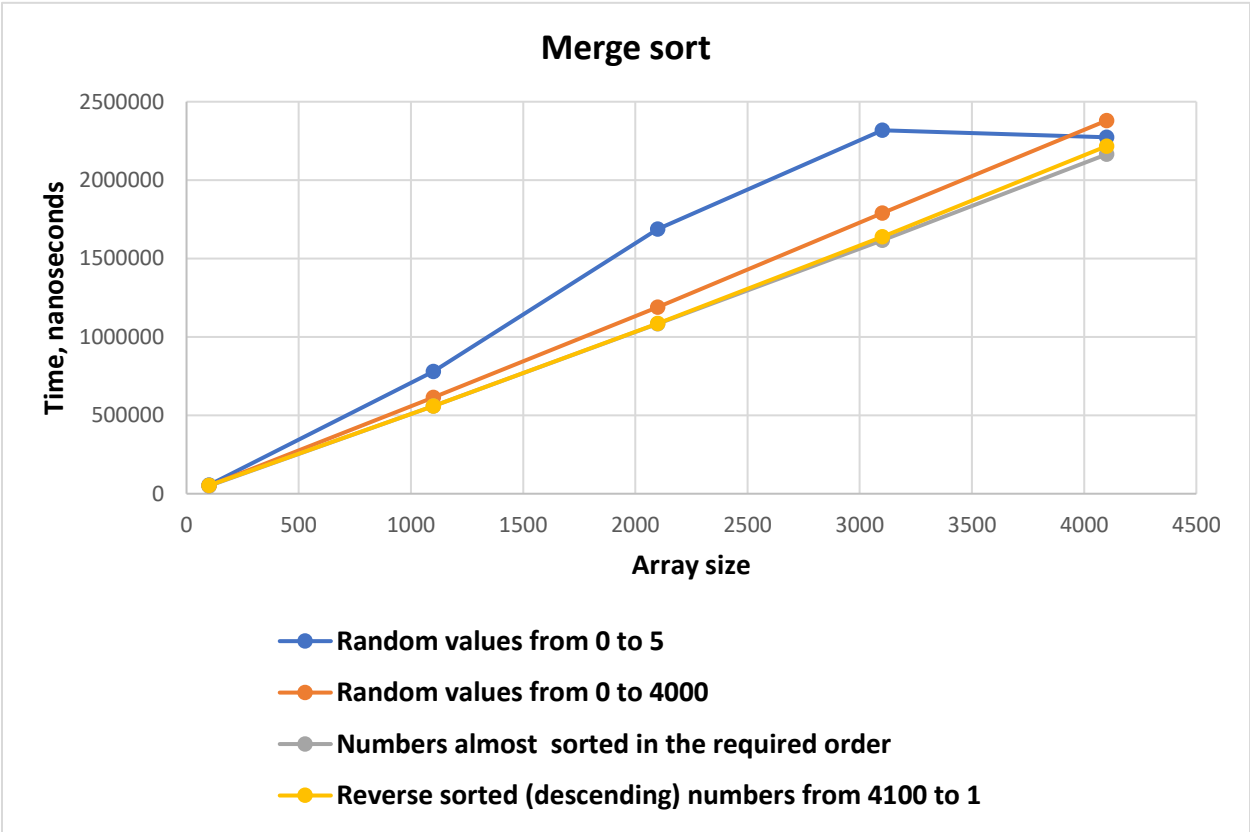
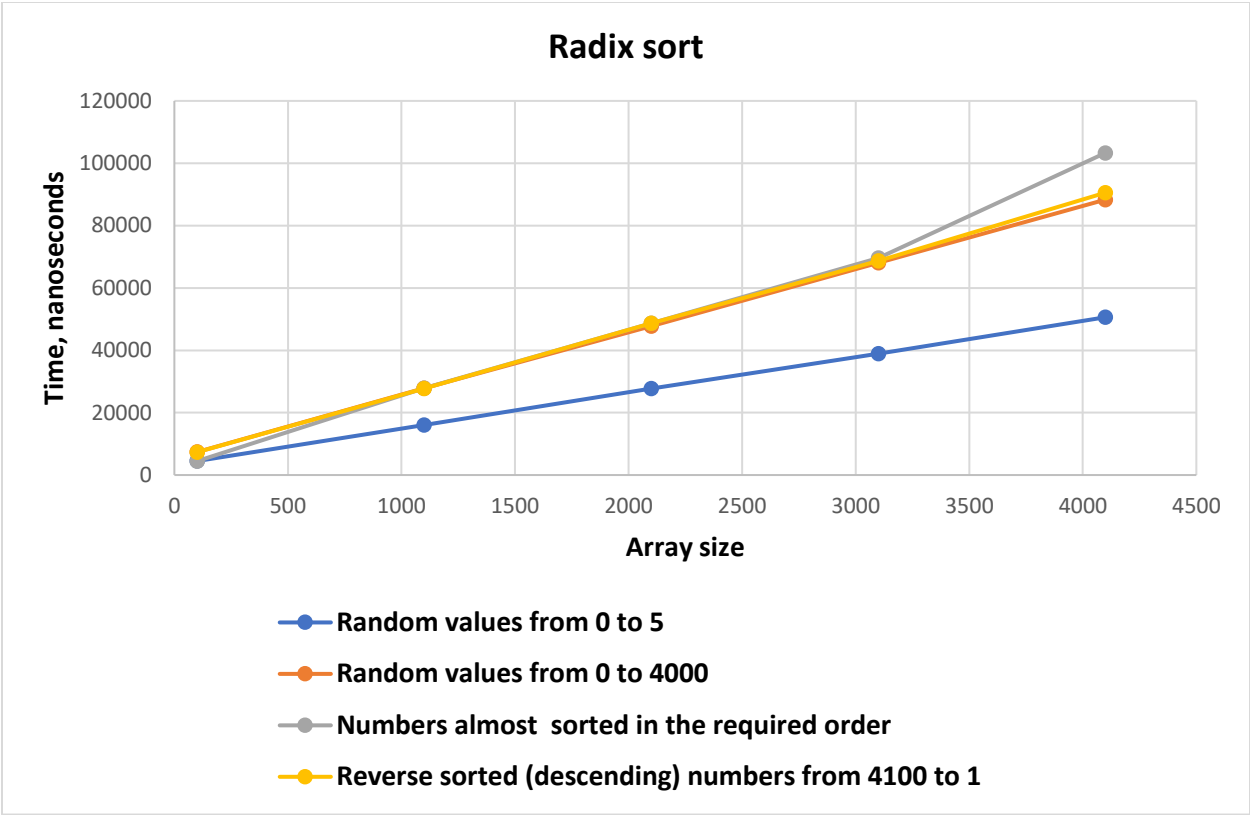


Binary inserts sort

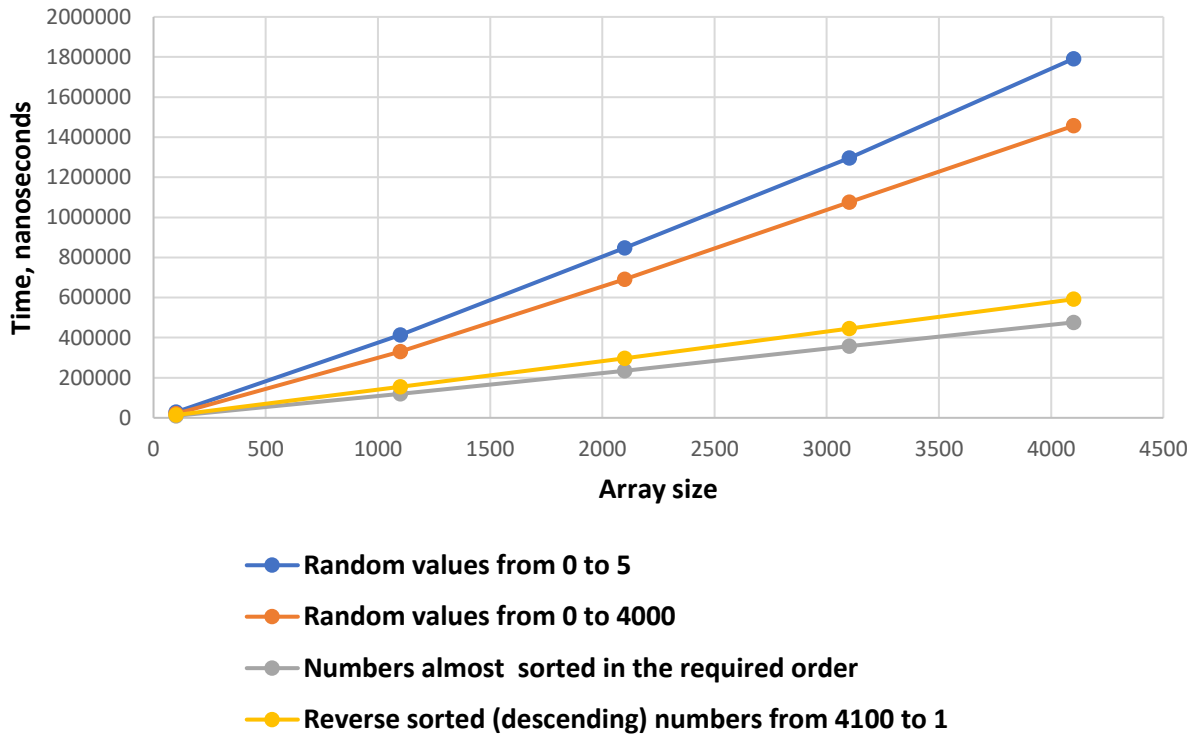


Counting sort





Quicksort



Heapsort

