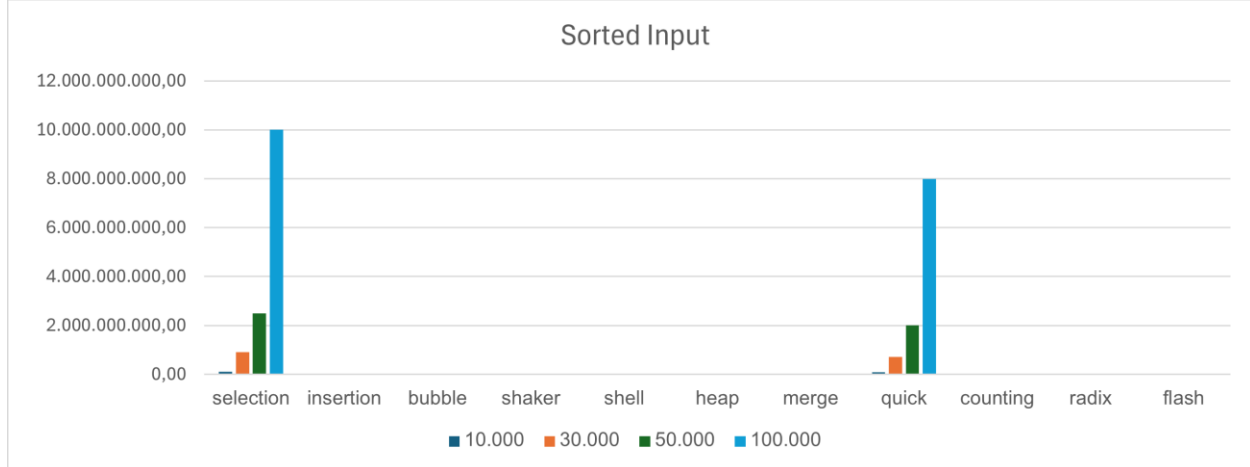


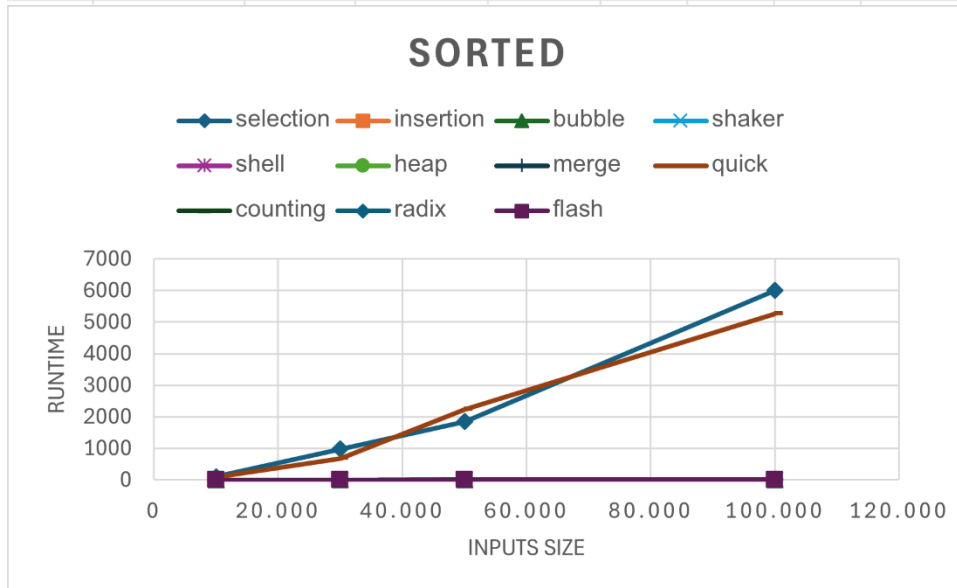
Sorted Input Comparisons

	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	100019998	29998	20001	20002	360042	668444	478126	79869388	89940	170070	130634
30.000	900059998	89998	60001	60002	1170050	2238754	1569222	719966881	270162	510070	392304
50.000	2500099998	149998	100001	100002	2100049	3930073	2736599	1998427834	448934	850070	654247
100.000	10000199998	299998	200001	200002	4500051	8361291	5773339	7992415429	900766	2000084	1307046



Runtime

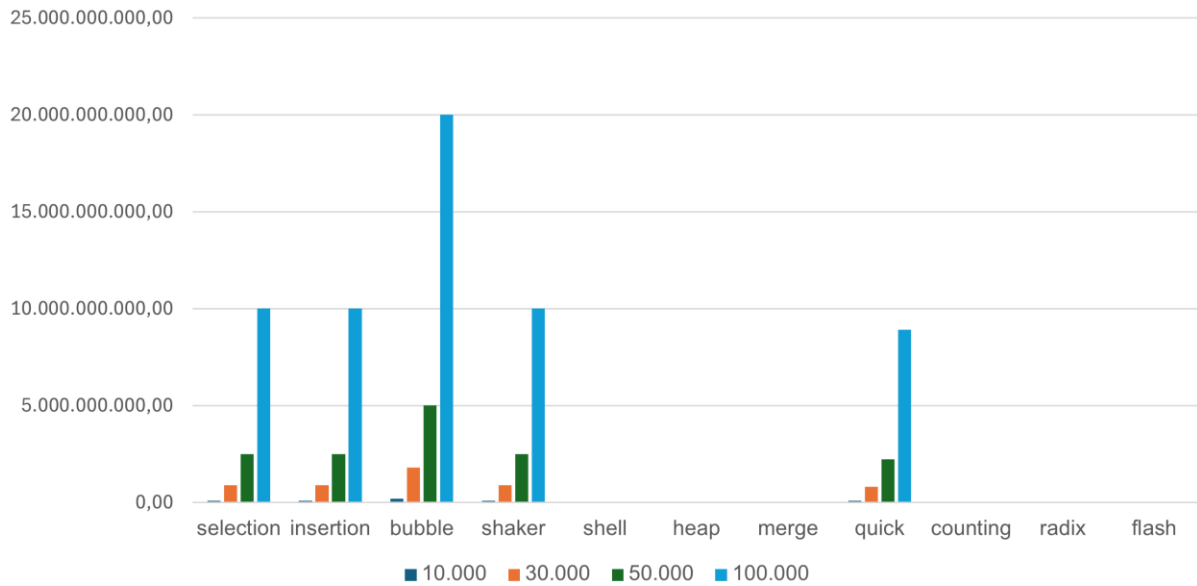
DataSize	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	105	0	0	0	0	0,9	0,8		93	0,2	0,3
30.000	979	0	0	0	0,9	2,5	1,9		684	0,5	0,9
50.000	1848	0,1	0,1	0,1	8,3	11,2	7,8		2232	0,8	1,5
100.000	5998	0,3	0,2	0,2	4,3	10,6	8,2		5261	2	3,6



Reverse Sorted Input Comparisons

	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	100019998	100007020	199980001	100005001	473239	606795	476441	88768368	90114	170070	116256
30.000	900059998	900020818	1799940001	900015001	1550593	2063226	1573465	800694391	269594	510070	348702
50.000	2500099998	2500034775	5000000001	2500025001	2829922	3612694	2733945	2226225778	449084	850070	581927
100.000	10000199998	10000069661	20000000001	10000050001	6059660	7719176	5767897	8901580689	900450	2000084	1163285

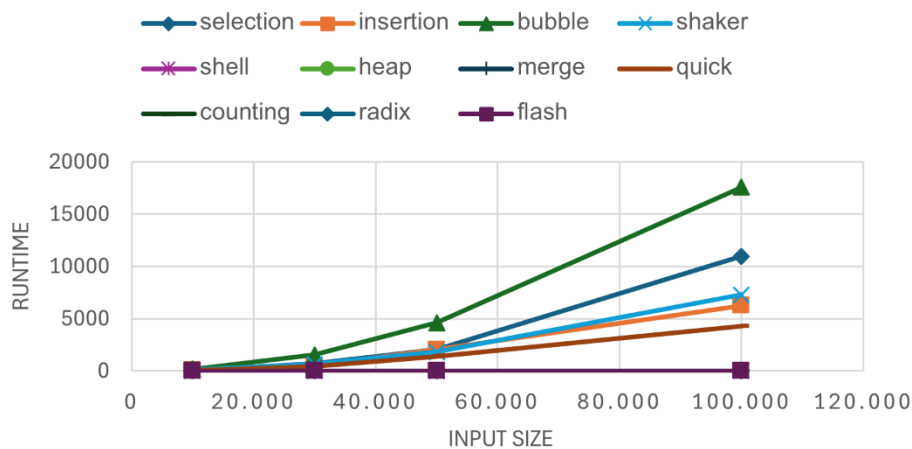
Reversed sorted Input



Runtime

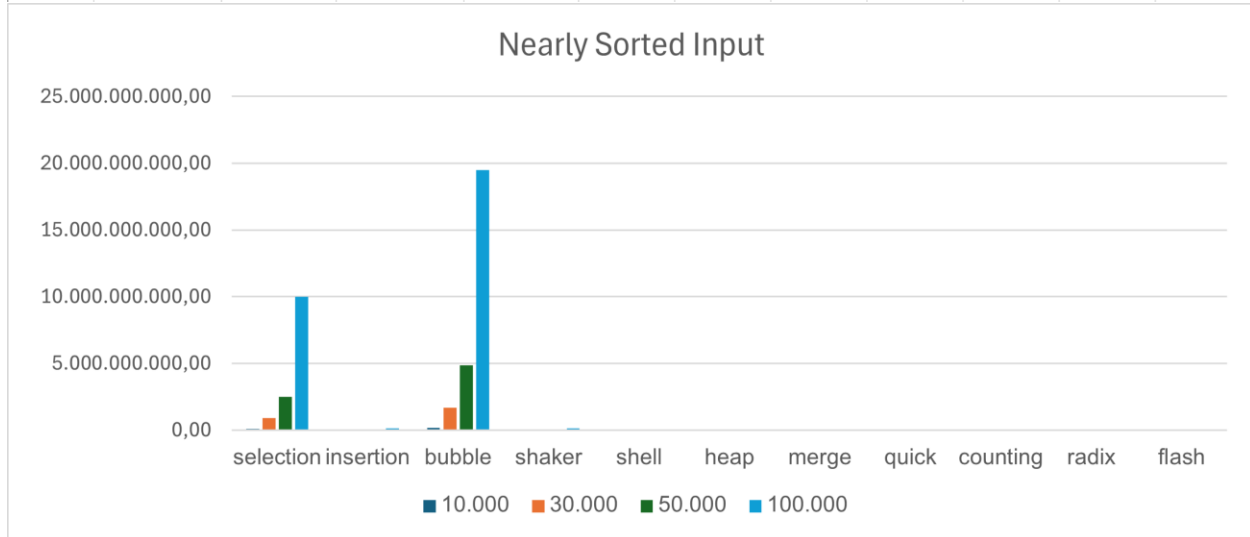
Data Size	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	72,611	57,057	165,069	87,474	0,301	0,801	0,717	60,165	0,193	0,257	0,226
30.000	704,375	486,277	1540,358	654,612	0,758	2,103	1,268	429,863	0,61	0,855	0,628
50.000	2055,986	2040,728	4615,77	1819,919	1,896	3,647	2,657	1398,532	0,848	1,401	1,169
100.000	10962,788	6254,417	17565,423	7276,732	3,802	8,571	5,788	4274,552	1,637	3,423	2,043

REVERSED INPUT



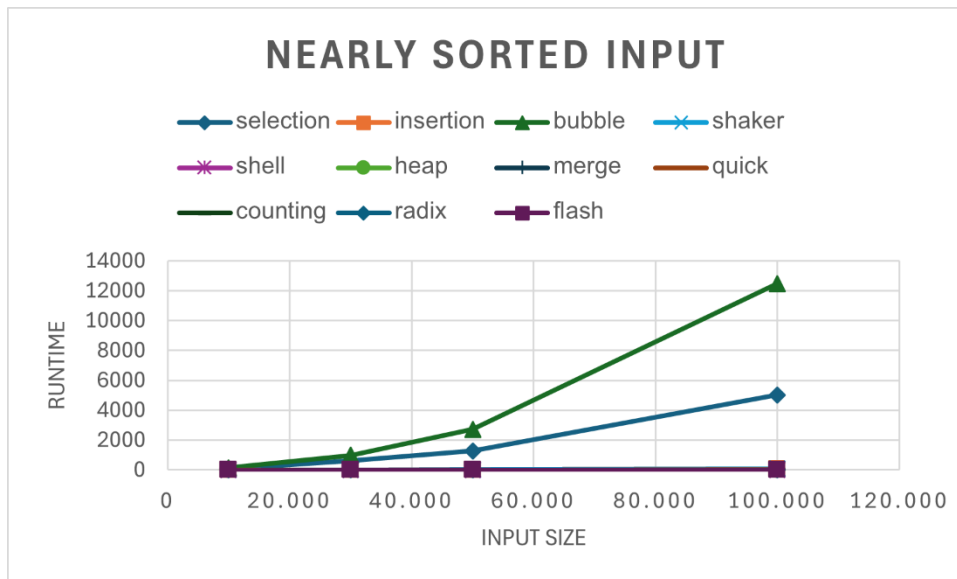
Nearly Sorted Input
Comparisons

	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	100019998	1359620	185940001	1395848	466359	668005	543622	2525859	89258	170070	130421
30.000	900059998	12699428	1691760001	12825705	1675425	2237622	1808906	9730880	269316	510070	391398
50.000	2500099998	32641452	4869200001	32955802	3207524	3926917	3174786	15845530	449378	850070	652169
100.000	10000199998	131352312	19472800001	132477234	7195949	8354882	6741224	36124676	900168	2000084	1305185



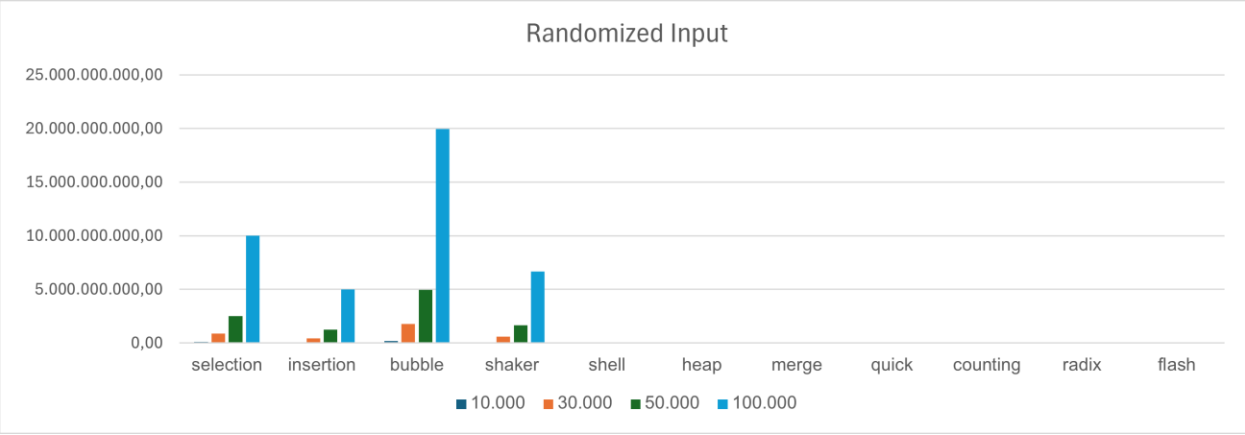
Runtime

dataSize	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	76,514	0,851	139,484	0,913	0,704	0,97	0,836	1,871	0,187	0,311	0,277
30.000	625,228	6,505	981,191	6,889	1,995	2,246	2,628	4,119	0,488	0,899	0,73
50.000	1264,275	15,599	2720,236	22,459	3,67	3,326	2,254	6,744	1,046	1,537	1,113
100.000	5019,785	62,626	12472,614	74,837	7,863	7,057	4,837	15,904	1,609	3,264	2,195



Randomized Input Comparisons

	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	100019998	49765758	197640001	66257077	644741	637751	583876	319812	2049460	200084	112672
30.000	900059998	449771603	1779780001	599041771	2358993	2149155	1937421	1210172	6149348	690098	332217
50.000	2500099998	1247529050	4969800001	1663305617	4547865	3772768	3383043	1968056	10249276	1150098	557558
100.000	10000199998	5006607375	19935800001	6679294767	10573048	8044071	7165698	4435910	20499840	2300098	1126608



Runtime

DataSize	selection	insertion	bubble	shaker	shell	heap	merge	quick	counting	radix	flash
10.000	44,84	22,344	108,213	43,975	1,115	0,78	0,816	0,472	3,092	0,344	0,216
30.000	456,632	205,217	1156,053	646,732	2,955	2,662	2,945	1,511	9,423	1,12	0,725
50.000	1125,369	560,925	3730,83	1917,837	6,274	4,674	4,668	2,76	15,948	1,862	1,234
100.000	4744,35	2396,429	16840,987	7852,573	11,556	10,052	15,818	5,834	32,054	3,754	3,002

