mksort comparison

i5 / v4 vs. v5 / patch impact

				v4															
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			10000	9.957	13.446	15.803	16.216	17.577	20.054	18.964	21.670	9.575	17.509	20.784	22.392	26.375	28.717	29.216	31.563
			100000	10.080	14.705	14.421	16.707	17.415	18.169	18.740	21.674	10.487	14.317	19.119	18.590	20.995	25.868	26.398	33.495
		1000000	1	90.262	98.019	100.076	107.965	109.202	117.604	117.023	115.466	89.783	105.722	111.592	114.553	116.976	121.969	125.019	131.284
			5	86.832	103.641	116.186	129.936	139.786	156.639	161.076	169.158	86.797	315.747	351.017	370.910	394.364	422.687	447.057	474.205
			10	90.109	115.582	120.844	136.522	144.520	154.588	159.227	172.799	92.410	301.615	323.281	352.422	372.825	404.600	421.322	451.510
			25	92.013	115.839	127.199	137.923	142.364	160.728	165.687	178.577	87.346	283.391	306.281	328.831	354.845	380.211	399.211	422.688
			50	90.333	110.632	121.933	130.551	144.399	160.231	166.971	181.990	91.734	275.188	295.880	314.662	341.945	369.289	384.712	407.983
			100	91.578	110.544	122.162	135.516	145.244	160.864	172.112	173.307	87.205	265.989	283.270	304.108	328.170	356.258	368.455	393.056
			10000	91.899	113.794	122.086	130.895	150.730	154.793	172.165	182.747	89.322	185.827	206.424	227.291	247.827	268.893	293.453	310.708
			100000	94.181	110.347	121.921	136.367	146.917	159.368	165.371	178.748	89.307	149.734	174.682	194.535	221.415	239.732	266.428	290.901
			1000000	90.188	108.218	119.966	133.210	147.543	154.730	171.890	179.835	87.072	127.022	152.993	169.940	195.518	217.684	244.990	261.939
		10000000	1	826.443	898.955	940.362	964.383	1012.778	1038.137	1066.693	1086.056	826.129	1008.468	1038.127	1066.413	1111.378	1140.537	1166.781	1186.518
			5	848.522	1006.652	1107.144	1207.570	1315.524	1412.946	1506.659	1587.237	846.250	3480.123	3749.953	4000.542	4259.848	4509.285	4753.686	4997.524
			10	847.647	1025.348	1130.019	1230.297	1348.943	1447.488	1548.891	1640.979	849.622	3325.907	3571.057	3809.826	4060.137	4296.594	4533.637	4763.016
			25	857.066	1026.982	1141.644	1242.405	1365.355	1467.491	1576.402	1674.604	854.947	3152.270	3385.177	3611.219	3845.245	4083.260	4304.003	4537.990
			50	854.727	1031.851	1138.783	1254.054	1370.758	1476.455	1584.498	1678.320	852.957	3049.921	3276.681	3512.641	3737.940	3989.436	4186.475	4412.278
			100	850.694	1027.433	1144.621	1247.506	1376.533	1482.786	1589.617	1688.584	851.466	2959.349	3175.727	3388.515	3601.601	3828.563	4014.581	4229.018
			10000	846.522	1032.619	1146.850	1252.789	1379.757	1486.033	1588.536	1691.032	855.450	2140.188	2357.143	2571.333	2787.390	2998.004	3211.336	3412.538
			1000000	854.043	1035.062	1146.737	1253.828	1377.546	1483.124	1596.837	1689.310	851.706	1464.030	1691.020	1913.908	2157.122	2383.703	2618.260	2843.558
			10000000	851.471	1029.651	1146.968	1255.056	1377.947	1486.451	1588.482	1688.862	849.917	1190.092	1423.171	1640.770	1879.506	2106.893	2345.866	2569.320
int	correlated	1000	1	0.135	0.153	0.157	0.149	0.159	0.166	0.209	0.210	0.133	0.280	0.282	0.276	0.298	0.294	0.380	0.367
			5	0.160	0.205	0.227	0.236	0.247	0.258	0.266	0.277	0.189	0.283	0.316	0.327	0.369	0.371	0.370	0.365
			10	0.157	0.215	0.252	0.257	0.277	0.312	0.296	0.303	0.162	0.273	0.328	0.342	0.364	0.381	0.386	0.395
			25	0.156	0.213	0.269	0.302	0.318	0.342	0.352	0.370	0.177	0.250	0.295	0.337	0.384	0.399	0.432	0.419
			50	0.188	0.221	0.248	0.366	0.337	0.371	0.388	0.396	0.161	0.271	0.278	0.408	0.362	0.403	0.428	0.427
			100	0.145	0.201	0.242	0.294	0.369	0.401	0.452	0.458	0.144	0.230	0.272	0.326	0.356	0.393	0.445	0.443
			1000	0.141	0.179	0.200	0.252	0.301	0.360	0.451	0.533	0.144	0.198	0.227	0.273	0.303	0.369	0.392	0.449
		10000	1	1.059	1.245	1.291	1.292	1.322	1.350	1.387	1.683	1.103	2.859	3.090	2.951	3.018	3.005	3.069	3.834
			5	1.956	2.541	2.233	2.157	2.574	2.383	3.144	2.571	1.999	3.895	3.784	3.339	3.714	3.529	4.850	4.613
			10	1.897	2.159	2.746	2.621	3.115	2.863	2.940	3.634	1.942	3.487	4.449	4.224	5.132	4.295	3.868	5.386
			25	1.567	2.935	2.513	2.619	3.356	4.137	4.474	3.554	1.704	2.921	3.672	3.431	3.739	4.775	5.685	5.208
			50	1.561	1.859	2.542	3.679	3.622	4.779	4.884	4.638	1.418	2.781	3.213	4.058	4.548	5.559	5.158	5.303
			100	1.525	1.949	2.290	3.321	3.263	4.156	4.533	5.156	1.686	2.475	2.870	3.498	3.952	3.916	4.232	5.086
			1000	1.579	1.583	1.956	3.195	4.014	4.310	5.911	5.156	1.448	1.916	2.286	3.270	3.744	4.393	5.112	4.734
			10000	1.253	1.686	2.147	2.368	3.229	3.514	3.835	4.968	1.184	2.053	2.318	2.856	3.598	3.303	3.672	4.044
		100000	1	11.354	10.695	14.961	13.225	13.008	13.297	13.881	13.736	10.015	32.463	35.070	36.659	33.688	36.156	36.940	34.051
			5	13.477	21.491	19.670	22.194	22.502	24.648	23.264	23.834	15.022	34.916	38.342	41.756	41.830	39.566	38.170	44.521
			10	12.791	20.834	21.051	26.050	29.751	31.167	25.654	27.725	12.802	33.705	35.961	37.378	45.516	42.635	40.137	41.412
			25	12.260	18.457	27.933	28.136	32.808	34.346	37.282	34.953	12.443	32.491	36.126	37.432	43.010	43.665	45.586	45.753
			50	15.361	18.157	26.350	31.776	37.930	35.371	37.729	40.172	14.358	30.517	31.862	39.488	47.455	47.237	46.861	45.596
			100	12.323	18.181	22.578	31.319	31.891	37.621	43.461	42.543	11.634	29.081	31.018	38.739	42.474	46.213	47.481	51.519
			10000	11.094	17.972	21.077	26.515	31.787	38.307	50.523	52.520	11.429	20.612	24.984	29.072	33.550	39.519	42.373	49.274
			100000	12.233	16.072	17.055	23.670	31.541	34.943	47.675	52.928	11.899	18.252	22.272	27.544	37.512	37.106	42.522	46.052
		1000000	1	88.969	98.666	106.896	104.819	108.445	108.284	111.465	113.833	88.306	335.310	344.599	341.967	346.478	344.408	347.626	347.772
			5	139.209	178.810	198.936	203.509	214.158	211.345	221.403	219.552	138.754	340.867	366.445	387.780	395.398	403.287	406.705	409.306
			10	138.058	180.503	210.812	229.487	241.281	245.638	254.340	251.758	134.825	326.142	369.765	395.281	410.685	418.348	429.322	429.283
			25	132.199	178.668	218.946	252.088	286.063	295.593	309.580	316.494	131.847	304.552	350.524	390.812	425.175	438.070	459.716	461.475
			50	123.491	171.683	217.026	260.286	307.478	331.385	356.075	365.314	123.381	297.204	338.906	384.719	417.159	452.801	471.450	483.195
			100	128.542	170.745	216.412	263.523	320.547	361.880	398.034	415.996	125.658	285.895	325.957	366.785	406.716	446.098	478.724	490.848
			10000	114.280	150.139	187.415	246.879	305.937	362.278	431.022	513.418	103.973	210.191	259.128	298.721	347.201	380.449	418.358	455.412
			100000	106.630	143.543	192.868	249.179	310.048	365.810	439.755	512.200	103.681	178.970	233.148	284.499	338.315	379.472	424.261	461.338
			1000000	98.394	150.574	217.987	280.307	363.070	429.788	532.599	611.029	96.050	159.015	247.625	341.751	454.744	521.266	585.491	632.949
		10000000	1	848.800	927.539	970.890	966.142	1004.225	1007.781	1037.856	1039.931	849.422	3652.064	3720.412	3730.027	3770.861	3776.696	3807.011	3808.542
			5	1421.052	1787.577	1982.089	2044.729	2129.051	2149.633	2192.650	2193.971	1412.779	3708.847	4028.591	4178.787	4292.144	4332.002	4383.624	4391.338
			10	1368.268	1807.476	2119.608	2284.300	2426.547	2463.356	2522.503	2535.037	1368.790	3573.443	3993.700	4253.966	4445.715	4519.083	4594.670	4612.998
			25	1323.427	1772.205	2224.497	2556.481	2845.089	2966.016	3086.305	3116.974	1321.018	3384.907	3832.015	4216.656	4546.769	4725.642	4873.194	4916.012
			50	1287.736	1729.196	2210.501	2662.539	3116.091	3355.392	3553.263	3629.454	1285.211	3268.974	3706.318	4098.006	4536.765	4820.827	5057.171	5149.251
			100	1259.442	1706.602	2164.809	2650.632	3239.706	3634.329	3960.955	4116.296	1260.707	3179.729	3603.432	3970.149	4411.374	4775.755	5103.717	5277.894
			10000	1108.487	1478.716	1923.819	2486.684	3097.625	3643.977	4366.019	5102.424	1111.849	2378.325	2828.364	3316.191	3779.592	4108.333	4543.826	4846.352
			1000000	970.489	1468.353	2263.195	2967.908	3815.951	4663.386	5619.374	6473.025	965.421	1866.149	2728.314	3742.833	4950.672	5612.757	6293.546	6614.461
			10000000	928.548	1303.247	2112.795	2696.797	3517.462	4474.984	5599.075	6941.558	927.946	1541.074	2410.485	3442.944	4762.063	5969.491	7460.475	8606.038
	random	1000	1	0.257	0.210	0.211	0.212	0.220	0.243	0.240	0.242	0.252	0.366	0.340	0.337	0.364	0.358	0.363	0.362
			5	0.190	0.239	0.240	0.248	0.248	0.285	0.256	0.264	0.183	0.335	0.353	0.353	0.361	0.355	0.366	0.366
			10	0.168	0.289	0.280	0.305	0.292	0.268	0.297	0.278	0.166	0.361	0.361	0.405	0.406	0.371	0.420	0.373
			25	0.163	0.266	0.273	0.284	0.291	0.298	0.301	0.343	0.165	0.331	0.349	0.359	0.354	0.368	0.375	0.445
			50	0.168	0.265	0.369	0.322	0.347	0.428	0.345	0.321	0.155	0.339	0.440	0.360	0.460	0.408	0.399	0.382
			100	0.149	0.250	0.325	0.344	0.362	0.363	0.383	0.371	0.150	0.272	0.347	0.377	0.383	0.390	0.397	0.396
			1000	0.141	0.173	0.212	0.242	0.324	0.374	0.442	0.536	0.141	0.200	0.251	0.265	0.309	0.355	0.397	0.423
		10000	1	1.805	2.140	2.125	2.113	2.309	2.308	2.229	2.374	1.799	4.127	3.761	3.906	4.223	4.038	3.933	4.230
			5	1.761	2.928	2.876	3.110	2.336	3.464	3.013	3.301	2.000	5.103	5.145	5.097	4.295	3.778	4.523	5.169
			10	1.740	2.762	3.393	2.495	3.317	2.835	3.252	3.380	1.697	3.944	4.745	3.712	5.211	5.192	5.295	4.681
			25	2.120	2.943	2.692	2.643	3.423	3.034	3.109	3.273	2.113	4.309	3.769	3.786	4.885	5.098	5.334	4.943
			50	1.799	2.732	2.819	2.800	3.474	3.284	3.690	2.950	1.783	3.817	4.001	3.971	4.865	4.486	4.350	4.018
			100	1.631	2.786	3.146	3.009	3.089	3.104	3.723	3.309	1.919	3.635	3.949	3.916	4.067	3.994	4.668	4.251
			1000	1.354	2.479	3.189	4.196	4.494	4.463	5.636	4.501	1.511	2.651	3.203	3.949	4.119	4.249	4.701	4.208
			10000	1.297	1.562	1.787	2.257	2.800	3.590	4.308	5.096	1.411	1.697	2.074	2.393	3.303	3.485	3.821	4.221
		100000	1	21.397	21.995	26.953	26.778	29.320	30.521	29.428	26.615	21.160	45.067	46.773	50.110	47.813	50.731	52.928	50.220
			5	19.642	24.678	29.973	30.441	34.706	32.417	32.036	34.067	17.774	44.675	52.221	48.744	53.983	55.132	54.781	53.214
			10	18.777	30.314	29.133	31.641	31.157	31.992	35.214	35.316	20.410	48.261	47.301	51.162	49.562	50.126	48.916	54.103
			25	16.841	32.453	35.961	32.491	35.971	34.443	36.273	32.462	17.787	47.568	49.758	49.679	49.504	49.430	50.416	53.872
			50	16.224	30.729	36.821	38.086	35.469	36.631	36.791	34.700	16.138	45.202	54.325	49.484	53.703	53.405	50.889	55.193
			100	16.287	31.966	39.396	35.114	39.162	40.595	36.127	38.296	15.577	45.081	51.281	50.766	58.232	55.473	52.473	51.908
			10000	12.219	20.965	35.271	48.590	65.067	65.216	68.252	66.835	12.220	26.110	38.965	44.221	55.981	56.458	60.890	59.145
			100000	12.992	13.277	18.490	25.460	32.787	36.924	46.004	56.343	11.578	15.803	21.444	27.158	36.848	36.591	49.450	49.183
		1000000	1	195.886	293.139	295.809	295.150	297.564	302.670	311.406	307.468	196.225	537.887	553.337	545.604	545.342	557.644	546.735	557.050
			5	187.832	324.230	337.598	339.584	341.606	341.528	340.543	347.760	187.918	556.911	563.282	573.662	569.229	573.315	587.854	571.019
			10	183.612	341.515	348.308	348.566	354.417	356.897	357.217	360.911	177.696	563.878	572.980	571.122	576.759	576.212	585.326	582.895
			25	168.593	360.087	368.660	368.991	377.610	371.317	376.381	378.465	171.199	572.378	573.193	572.317	585.803	579.557	591.699	583.248
			50	159.337	373.968	384.341	382.410	385.971	389.475	392.866	394.653	159.575	583.310	587.518	582.567	603.467	589.501	600.127	622.435
			100	157.381	388.402	397.417	398.839	400.738	400.500	409.388	410.131	151.183	574.621	595.662	595.384	598.612	595.729	605.556	612.152
			10000	123.582	353.920	552.671	581.272	587.848	578.091	587.298	589.676	118.796	459.770	616.943	637.478	653.968	673.124	646.862	665.562
			100000	104.499	300.589	428.090	569.777	747.237	876.414	914.648	913.614	107.021	367.493	470.336	573.790	643.520	737.360	737.537	739.993
			1000000	101.212	134.489	214.158	269.119	358.882	425.109	523.078	606.179	97.979	163.172	245.128	337.376	456.410	527.199	587.864	627.701
		10000000	1	2085.275	3145.654	3193.921	3193.749	3237.184	3239.450	3276.243	3273.770	2081.365	6128.082	6131.586	6297.735	6147.998	6136.727	6235.085	6275.373
			5	1985.407	3552.574	3616.932	3616.654	3657.047	3636.824	3682.296	3685.147	1986.607	6362.215	6568.358	6403.398	6454.669	6466.676	6577.924	6670.439
			10	1906.906	3693.262	3768.049	3750.325	3802.541	3796.504	3834.877	3836.442	1904.574	6500.019	6563.023	6446.489	6475.888	6567.220	6519.176	6670.195
			25	1808.627	3889.989	3949.042	3954.339	3982.943	3989.523	4018.282	4031.842	1809.406	6381.748	6721.065	6534.565	6750.350	6606.570	6657.672	6608.760
			50	1740.782	4037.189	4101.781	4102.510	4144.818	4142.330	4172.902	4177.037	1745.538	6579.897	6596.672	6582.186	6665.912	6674.875	6735.208	6765.700
			100	1691.307	4183.853	4248.797	4245.513	4279.747	4282.946	4327.954	4324.068	1690.053	6761.904	6885.862	6796.228	6998.379	6768.776	6758.201	7001.904
			10000	1339.493	4673.185	5819.022	5819.923	5848.278	5841.553	5889.004	5907.253	1341.341	6380.596	7406.179	7560.786	7380.766	7341.575	7486.878	7421.552
			1000000	1016.281	3202.319	5665.074	7616.231	9328.413	11290.435	12813.647	13188.601	1019.066	4536.532	6990.810	8195.097	9071.562	9740.434	10546.925	10708.739
			10000000	921.473	1308.539	2029.697	2724.240	3623.548	4454.626	5711.104	6951.415	920.930	1538.131	2404.225	3416.366	4765.134	5986.765	7512.057	8637.337
	sequential	1000	1	0.143	0.143	0.152	0.144	0.152	0.152	0.165	0.162	0.132	0.153	0.159	0.167	0.164	0.169	0.175	0.204

				v5															
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			10000	10.759	13.310	13.708	17.165	16.074	20.802	20.782	20.920	10.779	13.191	14.357	15.728	17.883	19.509	20.284	20.264
			100000	9.367	13.920	14.570	14.621	17.131	20.073	17.882	24.137	10.505	13.993	15.871	15.541	17.465	19.914	19.586	23.253
		1000000	1	89.444	98.344	101.105	103.110	113.639	112.413	116.898	118.758	87.041	99.322	102.848	103.647	107.392	111.733	118.467	123.553
			5	88.886	109.112	121.332	126.558	141.874	146.821	160.491	170.096	93.345	108.757	120.707	129.694	139.625	148.808	158.490	172.142
			10	99.408	110.179	120.759	132.963	146.823	149.849	164.183	171.722	91.390	113.559	124.178	134.141	137.899	153.576	162.903	172.319
			25	95.331	108.048	122.910	127.634	140.151	151.866	174.463	181.876	90.483	113.074	121.882	129.938	141.591	156.592	161.823	181.292
			50	92.631	108.347	124.251	131.371	142.226	155.520	168.153	175.883	87.931	108.551	121.065	132.624	142.023	152.815	166.485	178.336
			100	90.237	110.546	126.253	132.622	147.515	155.820	171.318	182.078	94.176	110.661	122.099	130.510	145.510	156.914	172.081	174.754
			10000	92.207	113.116	124.204	136.106	146.556	158.398	166.697	177.284	92.267	113.006	117.477	133.311	142.555	154.999	165.239	175.243
			100000	90.144	112.595	127.513	133.209	146.611	155.093	167.582	176.454	90.154	106.268	119.766	133.012	144.771	150.975	169.346	179.231
			1000000	95.608	111.492	117.376	131.655	143.519	157.425	164.680	175.956	91.994	110.613	124.715	136.328	144.492	157.397	165.985	175.785
		10000000	1	851.581	903.388	934.907	965.948	1003.495	1035.614	1063.144	1088.499	845.271	910.055	944.248	975.485	1012.285	1038.886	1072.448	1092.007
			5	864.640	1005.751	1103.688	1209.968	1308.631	1400.650	1496.499	1579.627	861.728	1003.096	1100.479	1212.984	1315.488	1407.276	1504.846	1585.105
			10	869.960	1018.026	1127.406	1228.384	1338.222	1438.068	1548.287	1636.362	870.773	1025.312	1126.413	1228.047	1339.717	1442.503	1546.291	1634.590
			25	860.327	1023.764	1135.329	1242.858	1358.914	1459.856	1566.361	1664.080	859.275	1029.684	1132.000	1247.101	1358.950	1459.766	1575.807	1668.737
			50	858.569	1023.854	1135.622	1245.897	1362.415	1465.399	1575.040	1673.593	854.288	1030.717	1135.811	1248.809	1362.907	1467.850	1582.751	1678.700
			100	858.314	1022.603	1138.383	1249.526	1366.257	1471.713	1584.533	1676.884	855.980	1033.276	1137.989	1248.711	1367.219	1469.533	1585.330	1683.771
			10000	850.352	1028.251	1144.290	1245.906	1365.437	1476.810	1586.160	1685.678	853.843	1030.008	1140.439	1248.339	1367.164	1473.697	1587.523	1685.459
			1000000	848.470	1030.343	1143.030	1252.840	1368.239	1475.524	1589.753	1686.679	852.562	1033.152	1138.478	1246.458	1368.420	1470.725	1587.731	1686.819
			10000000	851.447	1029.762	1139.221	1247.681	1370.200	1477.630	1586.217	1685.597	852.757	1027.268	1141.977	1248.424	1369.936	1473.737	1589.910	1686.309
int	correlated	1000	1	0.145	0.157	0.159	0.219	0.167	0.152	0.188	0.170	0.147	0.154	0.159	0.222	0.167	0.152	0.163	0.165
			5	0.170	0.215	0.245	0.238	0.250	0.252	0.257	0.243	0.170	0.236	0.259	0.273	0.264	0.270	0.268	0.274
			10	0.172	0.232	0.253	0.270	0.281	0.280	0.308	0.322	0.172	0.247	0.283	0.295	0.316	0.314	0.326	0.348
			25	0.169	0.219	0.272	0.300	0.322	0.331	0.347	0.347	0.173	0.237	0.275	0.316	0.335	0.326	0.386	0.356
			50	0.164	0.216	0.255	0.310	0.366	0.371	0.389	0.396	0.166	0.240	0.269	0.315	0.348	0.354	0.380	0.378
			100	0.203	0.204	0.265	0.306	0.353	0.395	0.424	0.442	0.204	0.217	0.267	0.295	0.338	0.359	0.386	0.394
			1000	0.152	0.211	0.229	0.266	0.329	0.368	0.434	0.521	0.154	0.226	0.245	0.272	0.294	0.331	0.375	0.425
		10000	1	1.152	1.413	1.275	1.442	1.597	1.663	1.364	1.760	1.380	1.294	1.286	1.331	1.637	1.630	1.443	1.640
			5	2.060	2.216	2.619	2.228	2.345	2.854	3.161	2.285	1.542	2.481	2.680	2.435	2.728	2.859	3.522	2.592
			10	1.535	2.088	2.185	2.626	3.418	3.215	3.593	3.018	1.534	2.232	2.560	3.320	3.857	3.351	3.310	3.050
			25	1.660	2.278	2.877	3.321	3.672	3.691	3.160	4.495	1.664	2.580	3.498	3.729	3.844	3.812	3.259	4.395
			50	1.518	1.744	2.363	3.580	3.483	3.554	4.496	4.216	1.349	2.017	2.443	3.943	3.743	3.395	4.800	4.052
			100	1.454	2.106	2.340	3.408	3.671	4.044	4.737	5.642	1.385	2.584	2.472	3.790	3.892	4.223	4.332	5.102
			1000	1.221	1.592	2.009	2.442	3.007	3.631	5.546	5.493	1.201	1.686	2.047	2.665	2.754	3.448	3.899	4.651
			10000	1.210	1.714	2.055	2.582	2.913	3.403	4.357	4.962	1.267	2.025	2.131	2.683	2.567	3.050	3.655	3.919
		100000	1	9.500	11.504	11.230	12.052	13.468	12.849	13.282	15.404	10.694	12.821	11.337	12.246	13.637	12.532	14.049	13.467
			5	16.490	17.655	20.397	24.699	22.038	23.683	24.968	25.850	19.517	22.945	28.006	26.405	27.496	26.227	31.384	28.586
			10	12.994	19.593	27.361	24.635	26.269	26.822	32.269	28.538	13.003	22.571	30.911	30.043	30.804	33.865	30.945	34.860
			25	13.485	17.264	24.123	28.518	30.746	32.142	35.801	33.940	13.452	20.962	29.578	33.129	30.606	34.261	33.802	37.218
			50	15.826	18.535	24.040	30.153	31.122	35.465	39.643	44.838	16.031	20.230	27.311	33.054	35.202	37.166	38.792	39.187
			100	12.423	20.982	21.229	26.543	32.103	40.223	43.876	43.893	14.173	22.424	23.669	30.678	32.675	35.379	42.677	41.165
			10000	12.543	17.317	20.939	24.899	34.461	39.318	47.730	55.124	13.183	18.645	21.882	24.255	30.883	38.338	40.349	40.762
			100000	11.607	14.524	21.226	29.232	32.978	38.638	45.353	55.246	12.852	16.883	22.408	26.717	32.440	35.594	43.852	45.068
		1000000	1	99.227	100.825	102.311	104.457	110.097	111.113	116.880	111.308	91.117	102.215	106.049	106.259	107.474	107.140	113.117	108.726
			5	138.849	178.510	199.804	204.401	215.108	216.319	224.086	217.211	141.471	229.432	246.882	256.457	261.881	259.926	267.118	265.120
			10	136.665	180.158	214.557	228.465	242.604	248.868	252.737	251.868	139.257	240.321	265.358	282.037	291.019	297.310	302.542	301.115
			25	129.139	176.105	221.564	254.856	283.825	293.611	308.238	317.158	126.738	225.528	268.548	291.081	315.186	319.197	334.357	339.107
			50	128.784	177.213	219.536	266.175	310.240	332.488	355.768	361.814	125.807	210.528	260.665	302.426	342.584	355.384	372.025	377.152
			100	125.385	166.063	215.273	262.051	327.706	360.288	396.915	411.481	127.736	208.982	249.908	289.977	340.833	362.278	385.099	396.959
			10000	108.317	151.482	189.685	244.282	304.449	358.010	432.243	504.838	110.919	162.691	204.324	244.984	291.001	318.094	353.616	386.651
			100000	103.740	135.167	191.476	242.211	304.984	361.072	434.864	504.688	101.640	151.010	197.473	242.216	293.952	319.448	369.456	395.459
			1000000	100.220	136.698	215.345	270.190	344.405	424.728	510.749	603.431	100.293	145.619	225.078	302.176	387.865	436.699	492.892	520.301
		10000000	1	868.516	933.072	971.157	965.417	1004.135	1004.098	1036.368	1039.427	867.139	941.820	984.278	984.728	1017.077	1014.764	1050.729	1052.025
			5	1431.775	1791.622	1990.553	2057.338	2135.468	2152.347	2197.213	2202.730	1435.992	2402.497	2591.450	2655.786	2734.861	2739.826	2788.102	2791.477
			10	1385.211	1808.747	2129.086	2290.723	2437.484	2466.388	2533.748	2547.890	1388.336	2494.336	2792.598	2933.163	3052.096	3077.722	3138.562	3148.347
			25	1338.408	1766.500	2225.568	2558.610	2853.642	2972.817	3091.406	3124.926	1333.266	2346.082	2781.016	3056.135	3274.314	3357.891	3468.269	3491.690
			50	1307.284	1726.302	2213.544	2667.319	3123.512	3353.571	3560.968	3642.648	1301.322	2273.771	2745.071	3140.619	3485.703	3649.316	3813.629	3862.232
			100	1275.419	1699.536	2161.210	2656.448	3235.821	3640.124	3963.465	4122.449	1275.149	2211.063	2594.275	3014.835	3466.916	3731.424	3961.696	4061.671
			10000	1130.691	1469.865	1906.333	2447.984	3050.824	3585.715	4307.896	5031.024	1127.496	1770.258	2143.524	2567.713	2990.520	3286.005	3681.662	3982.262
			1000000	995.252	1430.101	2210.048	2916.003	3746.575	4589.330	5553.444	6372.660	993.916	1534.849	2312.632	3106.277	3918.338	4511.926	5006.374	5354.640
			10000000	937.839	1308.719	2039.489	2703.204	3523.960	4511.874	5628.181	6751.329	941.658	1415.297	2189.057	3021.741	3958.518	4843.651	5928.515	6724.881
	random	1000	1	0.223	0.226	0.237	0.220	0.243	0.214	0.224	0.228	0.250	0.270	0.276	0.297	0.277	0.247	0.257	0.261
			5	0.202	0.250	0.253	0.269	0.250	0.247	0.256	0.249	0.216	0.277	0.287	0.270	0.298	0.272	0.283	0.277
			10	0.188	0.256	0.268	0.291	0.266	0.262	0.267	0.271	0.185	0.279	0.285	0.288	0.293	0.310	0.287	0.286
			25	0.185	0.274	0.302	0.289	0.319	0.410	0.367	0.298	0.183	0.288	0.304	0.302	0.308	0.392	0.376	0.314
			50	0.170	0.302	0.318	0.344	0.348	0.312	0.323	0.350	0.194	0.318	0.322	0.314	0.328	0.312	0.325	0.356
			100	0.175	0.266	0.363	0.353	0.371	0.349	0.355	0.366	0.175	0.277	0.349	0.347	0.338	0.333	0.333	0.325
			1000	0.158	0.253	0.223	0.275	0.312	0.349	0.433	0.526	0.157	0.249	0.228	0.264	0.307	0.324	0.383	0.408
		10000	1	2.082	2.039	2.068	2.081	2.105	2.123	2.906	2.851	1.804	2.471	2.550	2.498	2.605	2.583	3.271	3.505
			5	1.942	2.538	2.301	2.321	2.979	2.725	3.018	3.002	1.829	2.927	2.685	2.687	3.443	2.752	3.521	3.525
			10	1.610	3.301	2.618	3.026	2.739	2.523	2.854	2.964	1.987	3.722	2.792	3.184	2.996	3.279	3.662	2.882
			25	1.558	2.627	2.655	3.356	2.852	3.726	3.862	2.748	1.569	2.860	2.875	3.589	2.946	3.975	3.358	3.010
			50	1.483	3.785	2.825	3.800	3.316	3.603	3.725	3.572	1.486	3.303	3.025	3.924	3.424	4.206	3.527	3.767
			100	1.619	3.533	3.842	2.974	3.483	3.400	4.180	3.268	1.608	3.657	4.238	3.147	3.178	3.278	3.928	3.378
			1000	1.246	2.015	4.257	5.265	4.991	5.019	4.567	5.143	1.224	2.117	3.742	3.736	4.058	3.673	3.593	3.597
			10000	1.259	1.741	1.888	2.358	2.685	3.364	4.491	5.384	1.267	2.079	1.986	2.290	2.541	3.000	3.940	4.399
		100000	1	18.434	22.537	28.373	25.045	30.053	31.571	27.861	31.054	19.331	30.106	33.649	31.080	33.699	37.309	33.808	38.660
			5	20.812	28.053	33.163	34.182	29.045	32.611	33.529	34.219	19.647	31.742	35.535	36.610	34.895	37.550	38.015	39.127
			10	16.387	28.265	33.369	29.617	35.201	34.925	34.420	36.505	17.141	36.904	35.231	36.591	39.053	40.025	44.925	44.105
			25	19.745	30.654	31.934	34.830	38.343	32.721	39.137	36.210	19.684	36.246	35.617	35.571	38.929	36.386	38.680	42.276
			50	17.643	33.681	39.175	33.250	38.664	35.659	37.357	38.184	18.095	35.295	38.215	40.362	40.022	40.080	45.635	39.185
			100	14.153	33.619	35.875	38.859	39.531	39.307	38.848	41.803	14.144	37.414	38.615	42.023	40.736	38.583	42.793	42.213
			10000	11.989	22.049	34.584	51.079	66.200	67.941	69.178	71.639	11.648	24.457	31.983	39.808	51.700	47.727	49.554	55.536
			100000	9.995	13.273	18.305	24.864	30.542	38.491	47.275	54.461	10.060	14.484	19.983	26.233	31.585	38.245	39.220	49.224
		1000000	1	200.067	280.901	284.717	286.973	291.885	292.149	298.578	297.574	199.916	353.146	362.492	359.902	359.743	361.295	367.640	368.598
			5	188.653	314.977	326.229	320.731	328.556	327.395	331.881	332.085	182.980	387.350	393.274	393.905	398.856	405.791	402.349	399.999
			10	177.881	337.490	337.907	337.657	344.953	344.295	348.718	345.672	176.963	400.173	403.342	407.474	412.472	409.920	416.319	411.328
			25	174.079	348.740	359.300	358.515	363.565	367.022	362.928	371.117	167.028	398.306	402.696	402.984	418.123	416.504	411.838	414.352
			50	161.831	362.661	371.131	373.940	386.396	372.398	380.291	382.490	161.963	411.146	419.430	424.515	421.943	424.568	423.693	423.357
			100	153.465	381.207	388.634	385.119	395.088	393.447	393.181	396.548	158.456	417.449	426.087	424.686	430.315	429.859	430.947	432.194
			10000	123.007	346.570	543.239	565.149	575.626	571.411	579.535	575.795	123.018	358.113	478.100	487.537	491.437	495.474	499.549	500.795
			100000	108.913	290.053	417.859	556.038	733.268	867.507	906.982	908.565	106.024	294.551	382.010	443.640	523.808	575.765	584.321	588.182
			1000000	103.298	135.381	216.202	270.031	346.754	419.644	520.211	601.184	98.049	148.023	221.758	302.226	380.683	437.201	490.635	521.785
		10000000	1	2096.791	3041.399	3094.778	3092.170	3129.137	3130.951	3182.393	3177.579	2098.776	3914.016	3973.268	3957.822	3992.222	3987.037	4033.043	4039.308
			5	2007.846	3439.533	3508.401	3501.237	3539.993	3532.872	3569.976	3596.241	2003.829	4279.998	4346.140	4344.009	4388.769	4374.072	4417.655	4433.689
			10	1926.035	3597.318	3652.882	3663.514	3688.139	3685.802	3731.226	3726.591	1928.931	4413.393	4482.236	4500.370	4516.359	4505.801	4547.782	4555.414
			25	1832.475	3796.189	3850.490	3847.184	3882.511	3888.357	3926.034	3927.324	1833.469	4369.909	4455.648	4444.834	4476.524	4475.228	4517.353	4515.752
			50	1771.730	3941.226	4005.086	4005.789	4027.830	4028.248	4068.528	4079.454	1772.256	4487.147	4556.967	4559.025	4591.814	4590.154	4633.340	4636.265
			100	1709.312	4081.471	4148.632	4149.096	4182.881	4181.552	4220.221	4226.125	1710.020	4577.660	4645.983	4653.268	4678.593	4694.558	4724.705	4727.139
			10000	1357.846	4580.213	5729.393	5729.879	5761.095	5753.880	5800.404	5787.470	1356.068	4777.713	5487.066	5482.473	5517.492	5518.672	5568.559	5569.775
			1000000	1042.223	3125.759	5589.379	7478.103	9217.925	11222.819	12759.305	13053.681	1043.910	3337.926	5026.707	5876.374	6537.352	7298.397	7807.839	7946.851
			10000000	933.601	1288.757	2038.985	2640.073	3495.843	4368.925	5590.695	6733.264	935.738	1406.586	2206.147	3003.955	3959.862	4854.609	5906.360	6755.288
	sequential	1000	1	0.162	0.189	0.150	0.157	0.157	0.152	0.155	0.148	0.142	0.156	0.150	0.157	0.176	0.157	0.155	0.153

				v4 (on / off)								v5 (on / off)							
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			10000	96%	130%	132%	138%	150%	143%	154%	146%	100%	99%	105%	92%	111%	94%	98%	97%
			100000	104%	97%	133%	111%	121%	142%	141%	155%	112%	101%	109%	106%	102%	99%	110%	96%
		1000000	1	99%	108%	112%	106%	107%	104%	107%	114%	97%	101%	102%	101%	95%	99%	101%	104%
			5	100%	305%	302%	285%	282%	270%	278%	280%	105%	100%	99%	102%	98%	101%	99%	101%
			10	103%	261%	268%	258%	258%	262%	265%	261%	92%	103%	103%	101%	94%	102%	99%	100%
			25	95%	245%	241%	238%	249%	237%	241%	237%	95%	105%	99%	102%	101%	103%	93%	100%
			50	102%	249%	243%	241%	237%	230%	230%	224%	95%	100%	97%	101%	100%	98%	99%	101%
			100	95%	241%	232%	224%	226%	221%	214%	227%	104%	100%	97%	98%	99%	101%	100%	96%
			10000	97%	163%	169%	174%	164%	174%	170%	170%	100%	100%	95%	98%	97%	98%	99%	99%
			100000	95%	136%	143%	143%	151%	150%	161%	163%	100%	94%	94%	100%	99%	97%	101%	102%
			1000000	97%	117%	128%	128%	133%	141%	143%	146%	96%	99%	106%	104%	101%	100%	101%	100%
		10000000	1	100%	112%	110%	111%	110%	110%	109%	109%	99%	101%	101%	101%	101%	100%	101%	100%
			5	100%	346%	339%	331%	324%	319%	316%	315%	100%	100%	100%	100%	101%	100%	101%	100%
			10	100%	324%	316%	310%	301%	297%	293%	290%	100%	101%	100%	100%	100%	100%	100%	100%
			25	100%	307%	297%	291%	282%	278%	273%	271%	100%	101%	100%	100%	100%	100%	101%	100%
			50	100%	296%	288%	280%	273%	270%	264%	263%	100%	101%	100%	100%	100%	100%	100%	100%
			100	100%	288%	277%	272%	262%	258%	253%	250%	100%	101%	100%	100%	100%	100%	100%	100%
			10000	101%	207%	206%	205%	202%	202%	202%	202%	100%	100%	100%	100%	100%	100%	100%	100%
			1000000	100%	141%	147%	153%	157%	161%	164%	168%	100%	100%	100%	99%	100%	100%	100%	100%
			10000000	100%	116%	124%	131%	136%	142%	148%	152%	100%	100%	100%	100%	100%	100%	100%	100%
int	correlated	1000	1	99%	183%	179%	185%	188%	177%	181%	175%	101%	99%	100%	101%	100%	100%	87%	97%
			5	119%	138%	139%	138%	149%	144%	139%	132%	100%	110%	106%	115%	106%	107%	104%	113%
			10	103%	127%	130%	133%	131%	122%	130%	131%	100%	107%	112%	110%	113%	112%	106%	108%
			25	113%	117%	110%	112%	121%	117%	123%	113%	103%	108%	101%	105%	104%	99%	111%	103%
			50	86%	123%	112%	111%	108%	108%	110%	108%	101%	111%	105%	102%	95%	95%	98%	95%
			100	100%	114%	113%	111%	97%	98%	99%	97%	100%	106%	101%	96%	96%	91%	91%	89%
			1000	102%	111%	114%	108%	101%	102%	87%	84%	101%	107%	107%	102%	89%	90%	86%	81%
		10000	1	104%	230%	239%	228%	228%	223%	221%	228%	120%	92%	101%	92%	102%	98%	106%	93%
			5	102%	153%	169%	155%	144%	148%	154%	179%	75%	112%	102%	109%	116%	100%	111%	113%
			10	102%	161%	162%	161%	165%	150%	132%	148%	100%	107%	117%	126%	113%	104%	92%	101%
			25	109%	100%	146%	131%	111%	115%	127%	147%	100%	113%	122%	112%	105%	103%	103%	98%
			50	91%	150%	126%	110%	126%	116%	106%	114%	89%	116%	103%	110%	107%	96%	107%	96%
			100	111%	127%	125%	105%	121%	94%	93%	99%	95%	123%	106%	111%	106%	104%	91%	90%
			1000	92%	121%	117%	102%	93%	102%	86%	92%	98%	106%	102%	109%	92%	95%	70%	85%
			10000	95%	122%	108%	121%	111%	94%	96%	81%	105%	118%	104%	104%	88%	90%	84%	79%
		100000	1	88%	304%	234%	277%	259%	272%	266%	248%	113%	111%	101%	102%	101%	98%	106%	87%
			5	111%	162%	195%	188%	186%	161%	164%	187%	118%	130%	137%	107%	125%	111%	126%	111%
			10	100%	162%	171%	143%	153%	137%	156%	149%	100%	115%	113%	122%	117%	126%	96%	122%
			25	101%	176%	129%	133%	131%	127%	122%	131%	100%	121%	123%	116%	100%	107%	94%	110%
			50	93%	168%	121%	124%	125%	134%	124%	114%	101%	109%	114%	110%	113%	105%	98%	87%
			100	94%	160%	137%	124%	133%	123%	109%	121%	114%	107%	111%	116%	102%	88%	97%	94%
			10000	103%	115%	119%	110%	106%	103%	84%	94%	105%	108%	105%	97%	90%	98%	85%	74%
			100000	97%	114%	131%	116%	119%	106%	89%	87%	111%	116%	106%	91%	98%	92%	97%	82%
		1000000	1	99%	340%	322%	326%	319%	318%	312%	306%	92%	101%	104%	102%	98%	96%	97%	98%
			5	100%	191%	184%	191%	185%	191%	184%	186%	102%	129%	124%	125%	122%	120%	119%	122%
			10	98%	181%	175%	172%	170%	170%	169%	171%	102%	133%	124%	123%	120%	119%	120%	120%
			25	100%	170%	160%	155%	149%	148%	148%	146%	98%	128%	121%	114%	111%	109%	108%	107%
			50	100%	173%	156%	148%	136%	137%	132%	132%	98%	119%	119%	114%	110%	107%	105%	104%
			100	98%	167%	151%	139%	127%	123%	120%	118%	102%	126%	116%	111%	104%	101%	97%	96%
			10000	91%	140%	138%	121%	113%	105%	97%	89%	102%	107%	108%	100%	96%	89%	82%	77%
			100000	97%	125%	121%	114%	109%	104%	96%	90%	98%	112%	103%	100%	96%	88%	85%	78%
			1000000	98%	106%	114%	122%	125%	121%	110%	104%	100%	107%	105%	112%	113%	103%	97%	86%
		10000000	1	100%	394%	383%	386%	375%	375%	367%	366%	100%	101%	101%	102%	101%	101%	101%	101%
			5	99%	207%	203%	204%	202%	202%	200%	200%	100%	134%	130%	129%	128%	127%	127%	127%
			10	100%	198%	188%	186%	183%	183%	182%	182%	100%	138%	131%	128%	125%	125%	124%	124%
			25	100%	191%	172%	165%	160%	159%	158%	158%	100%	133%	125%	119%	115%	113%	112%	112%
			50	100%	189%	168%	154%	146%	144%	142%	142%	100%	132%	124%	118%	112%	109%	107%	106%
			100	100%	186%	166%	150%	136%	131%	129%	128%	100%	130%	120%	113%	107%	103%	100%	99%
			10000	100%	161%	147%	133%	122%	113%	104%	95%	100%	120%	112%	105%	98%	92%	85%	79%
			1000000	99%	127%	121%	126%	130%	120%	112%	102%	100%	107%	105%	107%	105%	98%	90%	84%
			10000000	100%	118%	114%	128%	135%	133%	133%	124%	100%	108%	107%	112%	112%	107%	105%	100%
	random	1000	1	98%	174%	161%	159%	165%	147%	152%	149%	112%	120%	116%	135%	114%	115%	115%	114%
			5	96%	140%	147%	142%	146%	124%	143%	139%	107%	111%	113%	100%	119%	110%	111%	111%
			10	98%	125%	129%	133%	139%	138%	141%	134%	99%	109%	106%	99%	110%	118%	107%	106%
			25	101%	125%	128%	127%	122%	124%	124%	130%	99%	105%	101%	105%	97%	96%	103%	105%
			50	92%	128%	119%	112%	133%	95%	116%	119%	114%	105%	101%	91%	94%	100%	101%	102%
			100	101%	109%	107%	110%	106%	107%	104%	107%	100%	104%	96%	98%	91%	95%	94%	89%
			1000	100%	115%	118%	109%	95%	95%	90%	79%	100%	99%	102%	96%	99%	93%	89%	78%
		10000	1	100%	193%	177%	185%	183%	175%	176%	178%	87%	121%	123%	120%	124%	122%	113%	123%
			5	114%	174%	179%	164%	184%	109%	150%	157%	94%	115%	117%	116%	116%	101%	117%	117%
			10	98%	143%	140%	149%	157%	183%	163%	139%	123%	113%	107%	105%	109%	130%	128%	97%
			25	100%	146%	140%	143%	143%	168%	172%	151%	101%	109%	108%	107%	103%	107%	87%	110%
			50	99%	140%	142%	142%	140%	137%	118%	136%	100%	87%	107%	103%	103%	117%	95%	105%
			100	118%	130%	126%	130%	132%	129%	125%	128%	99%	104%	110%	106%	91%	96%	94%	103%
			1000	112%	107%	100%	94%	92%	95%	83%	93%	98%	105%	88%	71%	81%	73%	79%	70%
			10000	109%	109%	116%	106%	118%	97%	89%	83%	101%	119%	105%	97%	95%	89%	88%	82%
		100000	1	99%	205%	174%	187%	163%	166%	180%	189%	105%	134%	119%	124%	112%	118%	121%	124%
			5	90%	181%	174%	160%	156%	170%	171%	156%	94%	113%	107%	107%	120%	115%	113%	114%
			10	109%	159%	162%	162%	159%	157%	139%	153%	105%	131%	106%	124%	111%	115%	131%	121%
			25	106%	147%	138%	153%	138%	144%	139%	166%	100%	118%	112%	102%	102%	111%	99%	117%
			50	99%	147%	148%	130%	151%	146%	138%	159%	103%	105%	98%	121%	104%	112%	122%	103%
			100	96%	141%	130%	145%	149%	137%	145%	136%	100%	111%	108%	108%	103%	98%	110%	101%
			10000	100%	125%	110%	91%	86%	87%	89%	88%	97%	111%	92%	78%	78%	70%	72%	78%
			100000	89%	119%	116%	107%	112%	99%	107%	87%	101%	109%	109%	106%	103%	99%	83%	90%
		1000000	1	100%	183%	187%	185%	183%	184%	176%	181%	100%	126%	127%	125%	123%	124%	123%	124%
			5	100%	172%	167%	169%	167%	168%	173%	164%	97%	123%	121%	123%	121%	124%	121%	120%
			10	97%	165%	165%	164%	163%	161%	164%	162%	99%	119%	119%	121%	120%	119%	119%	119%
			25	102%	159%	155%	155%	155%	156%	157%	154%	96%	114%	112%	112%	115%	113%	113%	112%
			50	100%	156%	153%	152%	156%	151%	153%	158%	100%	113%	113%	114%	109%	114%	111%	111%
			100	96%	148%	150%	149%	149%	149%	148%	149%	103%	110%	110%	110%	109%	109%	110%	109%
			10000	96%	130%	112%	110%	111%	116%	110%	113%	100%	103%	88%	86%	85%	87%	86%	87%
			100000	102%	122%	110%	101%	86%	84%	81%	81%	97%	102%	91%	80%	71%	66%	64%	65%
			1000000	97%	121%	114%	125%	127%	124%	112%	104%	95%	109%	103%	112%	110%	104%	94%	87%
		10000000	1	100%	195%	192%	197%	190%	189%	190%	192%	100%	129%	128%	128%	128%	127%	127%	127%
			5	100%	179%	182%	177%	176%	178%	179%	181%	100%	124%	124%	124%	124%	124%	124%	123%
			10	100%	176%	174%	172%	170%	173%	170%	174%	100%	123%	123%	123%	122%	122%	122%	122%
			25	100%	164%	170%	165%	169%	166%	166%	164%	100%	115%	116%	116%	115%	115%	115%	115%
			50	100%	163%	161%	160%	161%	161%	161%	162%	100%	114%	114%	114%	114%	114%	114%	114%
			100	100%	162%	162%	160%	164%	158%	156%	162%	100%	112%	112%	112%	112%	112%	112%	112%
			10000	100%	137%	127%	130%	126%	126%	127%	126%	100%	104%	96%	96%	96%	96%	96%	96%
			1000000	100%	142%	123%	108%	97%	86%	82%	81%	100%	107%	90%	79%	71%	65%	61%	61%
			10000000	100%	118%	118%	125%	132%	134%	132%	124%	100%	109%	108%	114%	113%	111%	106%	100%
	sequential	1000	1	92%	107%	105%	116%	108%	111%	106%	126%	88%	83%	100%	100%	112%	103%	100%	103%

mksort comparison

i5 / v4 vs. v5 / patch impact

				v4															
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			5	0.134	0.157	0.163	0.171	0.182	0.204	0.206	0.218	0.138	0.253	0.277	0.298	0.338	0.361	0.384	0.409
			10	0.138	0.154	0.159	0.185	0.190	0.208	0.216	0.225	0.136	0.239	0.279	0.292	0.324	0.338	0.365	0.381
			25	0.134	0.157	0.169	0.201	0.195	0.271	0.216	0.221	0.145	0.223	0.246	0.253	0.320	0.421	0.342	0.351
			50	0.143	0.167	0.179	0.198	0.197	0.208	0.215	0.232	0.134	0.210	0.232	0.252	0.271	0.308	0.315	0.343
			100	0.136	0.157	0.175	0.181	0.194	0.203	0.213	0.229	0.135	0.204	0.220	0.238	0.262	0.284	0.318	0.331
			1000	0.132	0.166	0.168	0.216	0.234	0.203	0.226	0.223	0.131	0.180	0.194	0.266	0.262	0.262	0.303	0.304
		10000	1	1.052	1.156	1.238	1.209	1.560	1.277	1.306	1.311	1.029	1.238	1.335	1.305	1.821	1.363	1.424	1.430
			5	1.438	1.485	1.568	1.608	1.923	1.873	2.177	2.140	1.435	2.785	3.058	3.866	4.662	5.007	4.884	4.717
			10	1.449	1.466	1.547	1.672	2.140	2.113	1.788	2.526	1.308	3.379	3.059	3.657	3.954	4.677	3.616	5.293
			25	1.294	1.404	1.483	2.024	1.682	1.693	1.881	2.299	1.162	2.283	2.534	3.368	3.283	3.152	3.359	4.831
			50	1.065	1.436	1.698	1.929	1.845	1.664	2.419	1.882	1.184	2.729	2.896	2.547	3.256	3.364	3.962	4.157
			100	1.198	1.533	1.403	1.535	1.619	1.669	1.815	1.920	1.206	2.182	2.253	2.429	2.647	2.839	3.068	3.658
			1000	1.282	1.622	1.392	1.471	1.621	1.686	2.113	2.062	1.398	2.038	1.908	2.056	2.308	2.518	3.092	3.240
			10000	1.047	1.290	1.477	1.470	1.776	1.882	1.971	1.896	1.047	1.563	1.743	1.850	2.057	2.648	2.620	2.677
		100000	1	9.456	10.317	10.555	12.790	12.581	12.300	13.102	13.648	9.438	11.034	11.534	13.223	14.034	12.865	15.616	16.196
			5	11.498	11.764	12.623	17.220	15.945	16.089	18.028	18.644	11.456	29.709	34.454	39.310	39.329	37.665	42.744	46.860
			10	10.935	12.886	13.902	13.922	16.790	14.773	17.811	16.757	9.564	33.843	32.985	35.772	37.388	40.060	44.246	46.961
			25	9.187	14.172	15.341	17.070	15.460	18.938	18.001	19.414	9.141	28.553	31.136	34.730	31.050	37.862	40.426	40.315
			50	10.274	14.190	14.918	15.314	16.109	15.217	19.481	20.183	10.213	28.387	27.308	30.608	34.233	34.147	36.768	39.504
			100	9.393	11.242	17.087	13.608	17.319	17.016	17.983	19.495	9.250	24.302	30.362	29.128	31.082	35.496	35.508	38.293
			10000	10.168	12.889	15.522	16.508	16.944	17.249	18.254	17.344	9.724	17.162	20.286	21.909	25.619	25.417	26.135	30.102
			100000	11.301	13.877	14.228	14.617	17.531	17.078	19.100	17.182	11.339	15.359	15.889	16.774	21.158	22.300	25.509	25.333
		1000000	1	86.784	95.373	100.932	100.039	99.045	104.517	112.520	110.517	91.463	102.604	107.685	109.273	113.217	110.976	114.251	109.887
			5	88.313	104.896	113.350	120.439	135.101	135.706	142.633	149.247	87.713	312.120	337.143	357.458	383.488	401.156	430.458	444.927
			10	86.432	106.679	118.999	120.012	135.659	142.395	150.517	150.937	91.268	297.543	323.579	339.845	360.918	386.017	401.519	425.567
			25	88.691	102.556	119.556	120.847	134.475	139.279	151.800	164.283	87.921	279.380	301.935	317.558	342.563	354.678	375.574	398.303
			50	91.181	110.514	119.761	123.354	132.411	139.765	152.869	164.715	89.934	265.208	288.410	306.013	326.100	342.306	368.888	384.011
			100	88.481	104.808	114.336	126.458	137.552	145.254	151.964	171.343	86.670	255.505	279.426	296.241	314.726	335.833	352.293	377.253
			10000	87.101	107.078	119.976	123.878	141.204	145.925	150.670	163.156	84.840	178.601	200.187	219.126	235.724	255.691	277.485	293.123
			100000	93.053	109.974	119.652	123.735	133.100	146.517	158.582	165.543	84.880	146.127	168.038	187.235	206.567	223.420	245.285	263.251
			1000000	84.784	109.607	117.647	129.146	138.515	142.642	150.517	162.719	84.782	120.839	145.688	158.820	186.140	204.390	222.108	246.952
		10000000	1	832.105	871.763	906.179	899.049	943.760	940.571	970.889	968.507	825.430	970.204	999.506	995.121	1033.192	1036.186	1064.113	1064.850
			5	841.380	976.372	1058.909	1131.877	1227.578	1285.905	1371.723	1429.173	842.854	3433.198	3690.629	3892.416	4140.818	4355.316	4595.952	4808.274
			10	844.486	989.309	1084.816	1148.396	1251.507	1315.886	1413.348	1475.657	848.322	3279.728	3516.738	3702.078	3939.853	4144.636	4367.207	4563.595
			25	839.385	993.614	1089.940	1164.575	1265.660	1334.270	1437.952	1504.538	838.504	3107.418	3322.546	3500.493	3718.889	3905.220	4120.724	4300.181
			50	836.717	989.343	1092.481	1160.290	1276.180	1344.012	1443.847	1518.114	836.355	2993.034	3202.166	3381.690	3599.263	3791.194	3993.405	4179.712
			100	832.159	995.205	1094.199	1166.832	1274.329	1346.652	1446.480	1517.666	831.902	2895.192	3105.553	3284.798	3494.144	3684.134	3860.949	4047.769
			10000	827.670	995.335	1096.956	1165.739	1273.199	1353.864	1449.900	1527.124	830.917	2104.613	2298.531	2467.737	2674.302	2850.803	3051.743	3224.386
			1000000	832.859	991.099	1098.989	1163.128	1276.567	1353.913	1451.016	1527.838	830.949	1426.491	1633.924	1811.540	2036.315	2223.770	2437.274	2625.485
			10000000	831.168	997.097	1094.440	1164.672	1278.634	1352.044	1454.436	1527.590	832.011	1152.591	1357.654	1536.324	1763.874	1948.225	2164.866	2348.328
text	correlated	1000	1	0.874	1.084	1.318	1.285	1.097	1.298	1.376	1.196	0.843	0.999	1.173	1.418	1.056	1.345	1.348	1.195
			5	0.672	0.837	1.242	1.280	1.063	1.232	1.099	1.118	0.644	0.981	1.345	1.403	1.440	1.698	1.300	1.185
			10	0.463	0.723	0.867	1.211	1.147	1.309	1.449	1.294	0.488	0.667	0.852	1.047	1.093	1.214	1.274	1.218
			25	0.387	0.678	0.830	1.060	1.221	1.780	1.370	1.860	0.395	0.671	0.843	0.955	1.213	1.552	1.244	1.785
			50	0.323	0.508	0.991	1.282	1.764	1.466	1.610	1.672	0.319	0.617	0.723	0.931	1.418	1.251	1.342	1.529
			100	0.265	0.460	0.760	1.115	1.264	1.772	2.414	1.957	0.284	0.448	0.559	0.778	0.865	1.293	1.521	1.500
			1000	0.206	0.287	0.502	0.636	1.347	1.437	2.016	2.813	0.201	0.292	0.509	0.540	0.938	0.899	1.099	1.366
		10000	1	13.260	15.519	18.999	17.320	16.316	14.902	15.807	17.330	12.656	14.400	17.772	17.940	16.882	15.865	14.830	18.267
			5	10.711	11.281	13.205	16.486	15.889	15.956	15.203	16.772	10.423	14.105	14.311	17.147	17.238	19.696	17.318	16.264
			10	6.567	10.864	13.296	14.619	14.611	13.500	16.014	17.212	6.593	10.397	13.904	14.102	14.044	15.884	16.543	16.908
			25	5.629	9.531	13.160	14.014	19.172	16.612	18.438	19.196	5.624	10.920	13.703	13.292	17.617	15.265	17.157	19.191
			50	5.024	6.958	10.379	13.633	14.730	16.613	18.366	18.532	4.754	9.393	9.865	12.312	13.177	14.114	17.027	17.034
			100	4.352	6.693	10.012	13.075	17.298	21.005	25.158	25.356	4.152	6.678	8.312	10.436	12.088	13.036	16.804	16.786
			1000	2.475	4.037	6.852	10.746	13.498	18.541	23.412	31.254	2.534	3.900	5.118	7.528	7.740	10.507	12.968	14.961
			10000	1.819	3.475	4.815	6.154	9.915	14.871	20.391	30.477	1.829	3.393	4.735	5.910	7.347	9.292	11.951	13.545
		100000	1	163.708	192.277	188.146	185.701	192.792	192.661	193.191	190.236	166.128	215.644	208.517	211.752	210.747	211.716	214.970	205.268
			5	118.872	147.093	156.351	171.598	174.893	173.059	176.139	178.145	113.766	186.145	197.139	203.501	194.494	202.303	218.190	211.510
			10	93.148	120.818	140.574	164.693	167.189	177.088	176.955	178.514	93.104	143.491	155.136	167.055	179.706	181.802	182.996	189.405
			25	84.851	109.120	139.006	158.706	174.911	189.103	196.451	200.344	82.028	137.830	156.248	172.033	190.864	198.092	203.252	208.102
			50	74.933	99.482	122.329	152.892	179.314	203.976	206.868	219.170	75.139	126.733	134.620	157.830	170.181	190.629	199.194	210.845
			100	63.164	82.191	105.458	137.592	170.225	196.937	225.601	245.470	58.020	95.100	107.145	122.785	141.946	161.904	178.068	195.723
			10000	24.646	35.523	57.158	82.616	113.792	156.938	207.567	276.153	23.652	36.155	50.045	61.770	79.894	99.130	114.930	134.885
			100000	16.579	23.069	38.826	56.779	90.830	133.923	181.137	242.110	15.338	24.737	39.221	49.741	66.728	83.350	106.117	129.259
		1000000	1	2120.217	2371.594	2431.337	2447.709	2452.735	2457.455	2469.375	2463.032	2121.702	2754.809	2769.481	2801.688	2805.976	2792.775	2813.064	2827.402
			5	1481.958	1817.339	1983.544	2071.142	2115.333	2139.552	2152.818	2158.550	1482.694	2299.841	2456.554	2469.711	2613.138	2497.971	2571.053	2762.831
			10	1230.788	1568.997	1773.240	1913.866	2001.704	2049.427	2081.190	2097.209	1235.457	1869.524	2050.781	2180.835	2244.095	2311.413	2368.829	2368.355
			25	1098.013	1395.759	1658.723	1896.416	2073.900	2192.907	2264.733	2301.198	1100.148	1861.799	2038.241	2210.363	2322.807	2463.836	2545.882	2533.614
			50	993.436	1268.628	1522.005	1817.428	2085.631	2287.230	2423.256	2503.154	994.875	1585.752	1897.703	1985.615	2055.329	2372.791	2425.400	2560.806
			100	839.900	1089.815	1324.428	1631.902	1973.419	2292.645	2521.877	2678.003	840.076	1276.105	1424.217	1587.863	1790.150	1961.566	2149.623	2274.096
			10000	354.843	520.517	728.247	988.543	1310.732	1740.123	2270.900	2950.186	352.150	522.387	670.458	811.143	982.334	1149.276	1337.983	1537.447
			100000	210.472	353.479	519.278	776.668	1127.816	1522.340	2054.386	2676.221	205.595	329.131	465.014	593.752	777.950	950.662	1141.189	1326.343
			1000000	143.964	234.437	418.936	645.837	975.372	1346.848	1881.874	2530.589	135.221	240.250	378.113	545.719	760.564	970.883	1175.578	1384.094
		10000000	1	27318.080	30450.009	31008.189	31209.849	31274.665	31334.656	31382.185	31396.290	27316.615	36553.790	36950.254	36891.536	37074.601	37181.476	37093.564	37341.505
			5	19082.702	22860.202	24550.461	25558.808	26045.301	26340.527	26497.159	26574.423	19081.483	29575.138	31096.952	31987.133	32461.455	33496.777	33232.263	34283.255
			10	16120.591	19833.810	22138.619	23706.123	24608.383	25147.276	25447.970	25576.253	16118.571	25206.111	27161.280	28417.325	29403.874	29922.999	30310.537	30594.565
			25	14677.374	18013.518	20748.053	23242.414	25102.574	26359.441	27068.652	27453.743	14682.776	24815.912	26740.690	28468.345	30034.365	31239.852	32206.760	32357.725
			50	13392.138	16454.671	19105.622	22167.108	24902.039	27087.253	28492.710	29258.349	13391.837	21697.573	23521.596	24964.337	27739.887	28189.030	30720.681	30047.991
			100	11544.254	14319.645	16780.963	19845.607	23386.077	26587.521	29084.395	30629.995	11549.496	18063.571	19589.545	21042.481	23223.051	25231.829	27062.292	28145.324
			10000	5621.238	7571.448	9655.478	12287.058	15632.083	19768.110	25244.089	32129.846	5621.069	8436.646	10067.506	11488.705	13037.306	14813.572	16719.312	19013.931
			1000000	1977.201	3538.920	5638.281	8418.179	11919.218	16363.057	21617.377	28454.327	1977.777	3324.793	4956.855	6703.305	8972.556	11107.677	13342.311	15368.020
			10000000	1305.885	2260.813	3990.603	6274.458	9828.297	13918.945	19389.575	26100.849	1306.246	2324.652	3758.775	5479.888	7703.945	10068.274	12755.075	15521.430
	random	1000	1	0.848	1.015	0.984	1.145	1.158	1.175	1.442	1.017	0.826	1.150	1.117	1.408	1.421	1.274	1.515	1.145
			5	0.805	1.052	1.073	1.057	1.093	1.341	1.171	1.168	0.666	1.111	1.096	1.172	1.107	1.524	1.101	1.102
			10	0.559	1.249	1.050	1.041	1.282	1.087	1.158	1.061	0.597	1.261	1.055	1.160	1.170	1.155	1.146	1.049
			25	0.531	1.193	1.129	1.134	1.448	1.318	1.444	1.343	0.539	1.126	1.075	1.222	1.195	1.129	1.446	1.484
			50	0.351	0.955	1.209	1.569	1.231	1.251	1.447	1.795	0.356	0.846	1.084	1.395	1.125	1.147	1.593	1.140
			100	0.279	0.752	1.222	1.600	1.502	1.546	1.678	1.429	0.284	0.701	1.017	1.336	1.110	1.265	1.555	1.172
			1000	0.189	0.284	0.427	0.661	0.997	1.826	1.992	2.736	0.211	0.289	0.399	0.542	0.704	1.240	1.103	1.361
		10000	1	13.421	16.232	15.686	16.689	16.147	15.668	15.358	14.731	13.119	17.853	17.891	17.985	17.859	15.193	15.804	19.853
			5	10.432	13.889	15.735	17.377	17.705	15.529	13.900	18.103	10.948	14.886	16.414	17.716	19.743	15.369	18.639	18.863
			10	8.044	15.155	14.232	17.333	15.646	12.810	14.561	15.259	8.766	16.446	14.536	14.312	16.406	13.722	15.348	13.426
			25	6.461	17.448	18.564	17.211	15.554	15.746	16.151	15.448	6.476	18.390	17.948	16.951	15.567	15.526	16.034	16.333
			50	6.936	15.358	16.514	15.696	17.835	16.942	17.004	15.961	6.165	16.074	14.451	16.780	17.657	14.587	17.445	15.096
			100	5.030	15.162	14.378	18.334	15.738	17.301	16.628	17.449	5.781	14.682	14.537	16.595	17.464	15.790	14.847	15.412
			1000	3.153	7.351	15.482	18.661	20.124	20.259	23.237	21.563	3.035	6.891	10.342	13.874	13.599	13.690	14.603	13.967
			10000	1.778	2.857	4.149	7.147	10.713	15.078	21.734	27.440	1.635	2.757	3.832	5.556	7.996	9.038	11.668	12.747
		100000	1	163.616	185.034	189.317	191.070	191.940	193.323	192.483	191.766	166.365	210.574	212.269	211.948	223.864	214.498	219.206	220.713
			5	133.054	189.352	194.643	191.496	187.143	194.231	192.764	192.129	132.976	197.436	211.494	210.678	206.710	204.373	214.346	207.744
			10	115.694	176.185	175.384	176.944	179.834	186.348	187.420	182.835	118.258	191.239	196.077	192.721	193.085	196.195	190.832	200.090
			25	101.577	181.676	181.827	188.118	183.742	187.507	188.757	195.399	98.818	195.342	204.378	203.517	196.212	196.664	198.481	206.096
			50	88.205	188.101	189.668	189.048	183.963	190.340	188.374	187.749	91.114	208.998	198.251	206.029	204.978	211.300	194.824	198.858
			100	79.938	175.431	176.846	184.849	183.247	181.028	183.083	180.023	79.489	179.752	184.123	195.370	190.830	188.235	192.512	198.263
			10000	25.506	60.149	119.348	205.107	286.941	308.011	315.909	312.846	25.071	59.938	91.261	130.386	167.175	180.004	176.838	179.425

				v5															
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			5	0.146	0.163	0.179	0.182	0.192	0.189	0.205	0.208	0.151	0.164	0.180	0.182	0.197	0.192	0.207	0.206
			10	0.152	0.162	0.183	0.183	0.189	0.198	0.208	0.241	0.144	0.175	0.173	0.194	0.193	0.196	0.208	0.261
			25	0.145	0.164	0.169	0.182	0.190	0.240	0.236	0.233	0.146	0.169	0.172	0.184	0.192	0.215	0.238	0.252
			50	0.152	0.167	0.173	0.187	0.205	0.194	0.209	0.244	0.144	0.170	0.177	0.189	0.202	0.198	0.209	0.246
			100	0.150	0.170	0.177	0.181	0.195	0.201	0.232	0.233	0.147	0.173	0.180	0.184	0.218	0.209	0.230	0.224
			1000	0.148	0.171	0.184	0.188	0.198	0.254	0.212	0.220	0.150	0.179	0.180	0.189	0.201	0.254	0.217	0.226
		10000	1	1.057	1.160	1.258	1.211	1.430	1.720	1.597	1.353	1.061	1.168	1.238	1.372	1.547	1.582	1.651	1.352
			5	1.092	1.297	1.559	1.563	1.550	1.600	1.892	1.791	1.124	1.307	1.486	1.580	1.569	1.650	2.111	1.788
			10	1.098	1.273	1.369	1.637	1.745	1.637	1.720	2.260	1.088	1.277	1.381	1.450	1.776	1.650	1.774	2.507
			25	1.224	1.282	2.062	1.598	1.591	1.664	2.009	2.073	1.300	1.276	1.919	1.486	1.593	1.690	1.800	1.860
			50	1.103	1.654	1.395	1.476	1.595	1.679	1.807	1.878	1.107	1.612	1.420	1.500	1.605	1.677	1.795	1.885
			100	1.273	1.340	1.550	1.425	1.559	1.702	1.913	1.910	1.370	1.285	1.589	1.450	1.590	1.698	1.831	1.978
			1000	1.072	1.357	1.595	1.482	2.065	2.088	2.466	2.367	1.092	1.365	1.437	1.494	2.033	2.397	2.486	2.524
			10000	1.065	1.334	1.490	1.764	1.935	1.916	2.027	2.103	1.089	1.409	1.612	1.630	1.927	1.924	2.059	2.124
		100000	1	11.118	12.989	12.033	11.888	11.503	14.187	14.777	12.560	10.743	10.183	10.631	12.032	11.601	13.415	13.987	12.680
			5	10.651	13.716	14.110	16.649	16.406	14.378	16.527	16.426	11.416	12.905	12.255	14.705	17.014	14.573	17.554	16.508
			10	10.003	14.049	14.393	12.947	16.009	16.770	19.618	21.294	9.424	13.604	13.948	13.044	16.097	16.860	16.316	16.988
			25	10.890	13.825	12.365	15.391	14.272	17.666	21.415	17.154	12.261	14.174	12.641	13.183	16.003	17.499	21.411	18.853
			50	10.108	12.899	15.531	15.212	17.369	16.606	17.379	20.904	11.196	14.745	15.231	15.794	16.870	18.150	16.623	23.084
			100	10.784	11.853	15.090	16.357	17.123	15.026	17.328	19.806	12.247	11.334	15.072	16.091	16.910	15.177	18.314	19.843
			10000	12.232	13.701	13.439	16.006	15.744	17.018	19.349	20.510	11.240	14.234	13.790	15.272	16.853	17.330	19.486	20.253
			100000	9.348	12.649	14.933	17.437	14.408	18.395	19.522	21.402	9.272	11.992	14.234	16.469	14.497	17.714	17.629	19.010
		1000000	1	88.833	93.109	97.821	97.848	101.714	96.745	107.438	103.052	91.262	96.343	97.012	96.648	105.625	104.676	105.576	105.840
			5	92.927	99.883	115.596	120.565	127.580	133.271	141.953	150.430	88.306	105.383	114.353	121.814	130.579	136.488	143.573	149.441
			10	88.662	108.697	115.644	122.174	137.992	138.918	146.529	160.725	88.609	105.205	116.656	123.059	134.985	141.943	147.632	154.057
			25	90.295	106.587	114.871	121.229	139.371	138.562	148.664	155.918	90.265	105.157	119.782	124.710	132.341	139.437	151.989	159.310
			50	95.403	104.322	115.238	124.520	135.546	146.895	155.054	155.133	89.871	105.124	117.832	119.759	133.367	142.309	150.966	158.580
			100	92.006	107.040	114.285	126.286	134.671	137.171	155.461	163.122	89.649	105.230	120.449	126.853	135.287	142.709	150.890	160.815
			10000	94.267	104.218	112.139	121.571	130.415	139.738	152.916	160.868	94.520	107.722	117.657	124.735	135.940	142.625	153.827	163.303
			100000	92.103	106.153	122.639	126.041	135.066	145.013	152.760	160.926	91.985	105.189	113.355	122.631	139.062	145.501	151.504	156.551
			1000000	87.104	106.739	116.964	129.258	133.654	140.831	155.743	157.680	87.007	110.316	117.930	120.377	135.565	143.050	155.884	156.329
		10000000	1	848.159	875.631	906.912	909.237	935.020	935.564	968.355	968.109	846.152	886.083	918.622	917.612	951.164	943.805	977.961	977.019
			5	862.091	968.523	1059.153	1130.551	1219.559	1278.658	1368.033	1433.446	859.462	979.131	1068.633	1138.718	1232.594	1289.779	1377.974	1437.324
			10	866.026	986.352	1088.447	1147.483	1245.957	1306.611	1408.950	1473.997	865.656	993.159	1098.192	1154.759	1256.115	1317.237	1419.650	1486.045
			25	856.950	985.273	1088.516	1160.236	1260.324	1328.635	1437.075	1506.513	856.053	997.503	1098.316	1168.112	1269.945	1343.492	1442.994	1512.854
			50	852.356	989.782	1090.017	1166.244	1272.004	1336.365	1443.790	1511.095	856.671	995.032	1100.524	1172.554	1276.854	1343.825	1450.747	1522.488
			100	854.266	988.635	1091.086	1162.041	1276.297	1342.417	1446.419	1522.616	854.451	995.904	1100.433	1170.308	1279.983	1344.705	1453.437	1528.811
			10000	855.229	988.436	1094.878	1170.364	1272.172	1343.844	1452.887	1527.191	851.062	996.071	1105.575	1171.427	1279.109	1350.172	1458.436	1530.854
			1000000	853.420	991.145	1095.827	1168.282	1276.528	1343.070	1449.343	1525.452	849.106	997.688	1098.542	1173.315	1283.953	1350.052	1459.908	1530.683
			10000000	853.216	988.317	1095.914	1168.218	1271.211	1343.526	1447.595	1528.186	849.597	996.096	1098.358	1172.078	1281.407	1349.427	1456.816	1531.928
text	correlated	1000	1	0.871	0.944	1.001	1.028	1.192	1.027	1.031	1.198	0.868	0.894	0.953	0.901	0.924	0.919	0.964	1.204
			5	0.694	1.024	0.994	1.022	1.121	1.265	1.095	1.322	0.695	0.860	0.871	0.915	1.009	0.954	1.077	1.175
			10	0.512	0.844	1.081	1.287	1.077	1.091	1.132	1.137	0.464	0.713	0.974	1.112	0.954	0.973	0.988	0.992
			25	0.384	0.597	0.825	1.044	1.321	1.402	1.539	1.395	0.430	0.552	0.728	0.902	1.240	1.079	1.243	1.088
			50	0.365	0.520	0.739	1.003	1.294	1.461	1.602	1.667	0.367	0.445	0.637	0.878	1.096	1.171	1.262	1.417
			100	0.289	0.541	0.748	1.119	1.378	1.569	1.780	1.962	0.285	0.533	0.583	0.926	1.051	1.258	1.289	1.378
			1000	0.214	0.319	0.421	0.745	0.992	1.485	2.009	2.722	0.212	0.316	0.428	0.552	0.711	0.921	1.213	1.550
		10000	1	15.188	16.672	14.182	13.769	16.448	15.801	17.318	14.771	14.295	13.665	12.118	12.250	14.883	14.988	14.489	12.278
			5	8.667	12.612	12.155	12.753	15.636	14.952	17.533	16.784	8.223	11.834	10.960	11.523	15.410	11.872	14.372	13.466
			10	7.771	9.779	14.079	12.826	16.390	19.165	14.942	16.711	8.504	9.751	12.899	11.602	14.008	16.365	12.106	14.336
			25	7.456	9.568	12.133	14.716	16.784	16.709	19.965	20.377	6.192	8.409	10.708	14.679	14.419	12.637	15.987	15.331
			50	5.274	6.864	12.103	14.954	16.515	20.420	21.267	22.179	5.034	6.286	10.249	12.881	14.186	16.797	17.029	16.284
			100	5.183	7.349	9.752	14.155	15.763	20.253	22.300	23.029	5.119	6.462	7.971	10.109	12.477	16.059	16.101	15.569
			1000	2.110	3.825	6.498	9.534	11.694	19.629	27.740	33.676	2.132	3.229	4.954	6.037	7.634	11.277	13.975	19.423
			10000	1.661	2.943	4.408	7.323	9.410	13.926	19.842	27.792	1.691	2.802	3.895	5.008	6.445	8.897	10.531	14.281
		100000	1	163.833	182.629	191.404	187.518	190.702	193.493	189.101	191.530	166.308	162.857	162.462	164.575	167.748	165.119	165.953	165.779
			5	119.157	148.528	163.334	168.733	175.559	170.158	178.791	182.273	120.410	134.644	149.609	155.257	154.880	156.811	160.513	155.783
			10	94.760	123.057	147.421	160.819	168.955	168.108	176.044	171.934	95.679	120.741	134.854	144.650	150.810	153.462	155.578	154.032
			25	86.978	111.430	135.243	156.424	176.037	188.544	193.280	195.041	81.802	103.147	119.616	136.116	151.235	157.375	162.497	164.058
			50	71.153	94.965	124.065	155.255	178.548	195.331	211.393	213.731	75.244	92.308	111.816	135.079	146.538	160.973	177.826	174.122
			100	61.705	82.237	104.551	142.586	168.297	201.165	227.227	243.087	65.388	75.524	92.501	116.841	132.980	154.839	173.644	185.143
			10000	21.382	37.064	53.283	79.845	113.492	156.176	206.968	278.374	22.017	31.745	42.182	57.037	73.231	93.203	112.972	137.241
			100000	16.609	27.602	37.224	60.961	89.170	136.012	181.746	247.413	16.576	24.468	33.245	48.602	65.868	84.742	102.696	119.786
		1000000	1	2139.495	2363.811	2412.055	2430.882	2434.747	2443.312	2450.737	2448.243	2128.137	2040.156	2050.661	2053.823	2061.055	2068.259	2072.794	2071.777
			5	1482.470	1812.393	1965.915	2052.895	2096.345	2137.702	2144.842	2146.455	1486.188	1704.757	1810.245	1865.770	1902.467	1923.874	1936.075	1933.090
			10	1228.852	1547.097	1764.268	1908.296	1990.714	2037.504	2071.308	2086.256	1234.392	1489.990	1647.623	1750.132	1809.808	1845.912	1872.303	1876.427
			25	1104.490	1388.495	1653.902	1886.870	2066.461	2174.439	2250.914	2293.416	1102.429	1299.178	1504.331	1668.410	1793.014	1867.077	1922.026	1943.071
			50	988.683	1259.547	1515.722	1813.436	2079.964	2273.147	2412.945	2493.668	993.713	1183.660	1380.894	1594.536	1775.691	1903.740	1995.537	2043.974
			100	846.548	1077.084	1308.904	1618.977	1961.180	2272.592	2520.169	2666.392	836.383	1008.745	1152.336	1370.515	1616.932	1805.418	1952.467	2040.087
			10000	347.501	508.642	711.414	972.622	1305.944	1715.436	2248.587	2946.648	344.605	453.153	580.566	720.298	869.144	1051.666	1241.177	1477.023
			100000	206.472	345.496	509.109	773.802	1097.207	1525.891	2037.198	2670.036	203.963	303.933	413.616	549.391	699.132	881.464	1050.012	1243.717
			1000000	133.989	229.896	414.411	629.887	958.397	1393.006	1915.846	2538.571	131.374	225.111	358.668	512.602	724.256	938.116	1127.567	1327.076
		10000000	1	27341.598	30221.664	30828.657	31022.440	31124.921	31204.261	31230.248	31284.034	27341.106	25746.306	25916.932	25988.120	26062.398	26143.259	26157.640	26197.007
			5	19066.388	22672.643	24456.202	25392.742	25832.592	26212.987	26338.043	26410.708	19069.652	21567.518	22709.639	23326.583	23685.599	23921.116	24014.643	24075.846
			10	16122.970	19686.022	21984.094	23514.917	24429.095	25022.484	25266.626	25402.228	16114.696	18941.693	20652.135	21770.116	22417.409	22846.126	23040.459	23140.979
			25	14665.168	17833.757	20607.250	23100.412	24959.903	26255.720	26939.430	27354.367	14670.200	16819.593	18965.104	20757.239	22032.567	22889.436	23396.382	23645.138
			50	13392.761	16322.397	19003.372	22041.628	24794.349	26989.671	28379.083	29143.927	13385.745	15472.993	17469.637	19750.515	21660.486	23040.131	23964.367	24439.706
			100	11553.499	14159.757	16621.217	19715.741	23258.732	26447.214	28990.358	30505.414	11555.393	13400.609	14926.877	17113.484	19557.582	21615.720	23119.460	24021.379
			10000	5624.888	7468.930	9546.042	12154.524	15476.284	19614.256	25091.874	31932.076	5625.581	6907.125	8128.518	9564.254	11150.216	12840.334	14932.818	17243.816
			1000000	1970.583	3454.499	5692.252	8324.764	11784.134	16182.722	21471.505	27962.592	1969.377	3033.338	4469.581	6230.686	8178.503	10260.674	12227.091	14276.120
			10000000	1269.514	2295.051	4016.469	6207.914	9302.215	13554.862	19182.113	25710.218	1262.617	2183.888	3567.486	5177.399	7338.087	9668.133	12228.104	14964.102
	random	1000	1	0.827	1.420	1.154	1.389	1.158	1.139	1.282	1.156	0.826	0.946	0.976	1.346	1.352	1.245	1.352	0.994
			5	0.676	1.021	1.024	1.028	1.117	1.464	1.471	1.063	0.669	0.917	0.932	0.927	0.945	1.354	1.199	0.947
			10	0.541	1.016	1.004	0.987	1.032	1.021	1.065	1.033	0.515	0.894	0.893	0.895	0.920	0.889	0.945	0.894
			25	0.436	1.038	1.102	1.131	1.134	1.144	1.417	1.135	0.434	0.896	0.935	0.938	0.944	1.004	1.193	0.949
			50	0.341	0.918	1.234	1.222	1.518	1.376	1.281	1.248	0.345	0.817	1.005	0.980	1.215	1.223	1.000	1.008
			100	0.308	0.678	1.183	1.305	1.341	1.394	1.575	1.482	0.278	0.582	0.904	0.983	1.004	1.118	1.234	1.157
			1000	0.234	0.356	0.468	0.808	1.095	1.405	2.703	2.867	0.259	0.376	0.483	0.683	0.758	0.914	1.392	1.797
		10000	1	15.873	16.705	16.950	17.815	15.967	16.966	15.086	14.512	14.853	15.305	16.130	15.971	17.950	17.054	13.494	13.194
			5	12.257	17.932	15.271	15.848	16.672	15.064	13.768	15.569	11.842	13.179	13.999	13.792	14.475	13.788	12.733	15.367
			10	8.768	13.939	12.783	13.509	14.802	14.162	17.229	17.481	9.496	13.222	11.455	11.351	12.640	12.863	14.003	15.388
			25	8.350	17.043	15.014	13.748	13.868	15.591	15.387	13.920	7.329	15.801	12.053	13.425	12.965	15.632	12.815	12.227
			50	5.451	16.866	16.340	18.253	15.867	18.467	17.504	16.460	5.448	14.280	14.208	14.599	13.110	13.692	15.118	15.008
			100	5.668	16.422	17.345	15.682	15.746	17.326	18.073	18.478	5.559	13.897	14.415	11.593	14.383	15.105	14.587	15.146
			1000	2.421	5.694	13.506	21.473	21.258	22.172	24.536	22.167	2.437	4.786	9.535	13.444	12.416	12.291	13.460	14.466
			10000	1.911	3.128	5.270	7.404	11.112	13.026	21.802	29.807	1.732	3.057	4.607	5.745	7.225	8.462	11.846	13.516
		100000	1	161.350	189.134	189.963	195.377	199.180	193.120	198.603	197.894	166.393	184.786	186.913	184.135	191.132	191.438	188.820	193.252
			5	141.720	189.535	193.642	192.634	192.747	192.376	193.597	194.468	141.517	169.196	174.230	171.092	177.725	180.503	177.313	180.320
			10	112.340	178.817	178.138	185.395	178.750	182.977	178.374	183.688	112.185	163.595	162.603	161.036	165.840	163.530	167.137	166.370
			25	103.494	182.531	182.160	186.580	195.087	189.928	193.653	197.079	103.636	165.658	161.936	168.416	171.606	171.147	171.087	170.255
			50	93.494	183.214	186.567	189.990	195.655	200.528	194.049	197.228	90.893	167.060	167.916	166.151	171.952	170.905	170.668	173.460
			100	75.446	172.404	187.187	176.761	182.478	182.320	183.868	182.938	78.521	153.950	160.339	158.603	160.217	164.409	168.867	169.015
			10000	25.651	61.932	118.303	207.596	290.485	316.693	312.081	311.541	24.319	54.247	78.492	125.672	154.927	162.441	164.124	162.746

				v4 (on / off)								v5 (on / off)							
				off								on							
type	distribution	rows	count	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
			5	103%	161%	170%	175%	185%	177%	186%	188%	103%	101%	101%	100%	103%	102%	101%	99%
			10	99%	155%	176%	158%	171%	162%	169%	169%	95%	108%	94%	106%	102%	99%	100%	108%
			25	108%	143%	146%	126%	164%	155%	158%	159%	100%	103%	102%	101%	101%	90%	101%	108%
			50	94%	126%	130%	127%	138%	148%	147%	148%	95%	102%	103%	101%	98%	102%	100%	101%
			100	99%	130%	126%	131%	135%	140%	149%	145%	98%	101%	102%	102%	112%	104%	99%	96%
			1000	99%	108%	115%	123%	112%	129%	134%	136%	101%	105%	97%	101%	102%	100%	102%	103%
		10000	1	98%	107%	108%	108%	117%	107%	109%	109%	100%	101%	98%	113%	108%	92%	103%	100%
			5	100%	188%	195%	240%	242%	267%	224%	220%	103%	101%	95%	101%	101%	103%	112%	100%
			10	90%	231%	198%	219%	185%	221%	202%	210%	99%	100%	101%	89%	102%	101%	103%	111%
			25	90%	163%	171%	166%	195%	186%	179%	210%	106%	100%	93%	93%	100%	102%	90%	90%
			50	111%	190%	171%	132%	176%	202%	164%	221%	100%	97%	102%	102%	101%	100%	99%	100%
			100	101%	142%	161%	158%	163%	170%	169%	191%	108%	96%	103%	102%	102%	100%	96%	104%
			1000	109%	126%	137%	140%	142%	149%	146%	157%	102%	101%	90%	101%	98%	115%	101%	107%
			10000	100%	121%	118%	126%	116%	141%	133%	141%	102%	106%	108%	92%	100%	100%	102%	101%
		100000	1	100%	107%	109%	103%	112%	105%	119%	119%	97%	78%	88%	101%	101%	95%	95%	101%
			5	100%	253%	273%	228%	247%	234%	237%	251%	107%	94%	87%	88%	104%	101%	106%	101%
			10	87%	263%	237%	257%	223%	271%	248%	280%	94%	97%	97%	101%	101%	101%	83%	80%
			25	99%	201%	203%	203%	201%	200%	225%	208%	113%	103%	102%	86%	112%	99%	100%	110%
			50	99%	200%	183%	200%	213%	224%	189%	196%	111%	114%	98%	104%	97%	109%	96%	110%
			100	98%	216%	178%	214%	179%	209%	197%	196%	114%	96%	100%	98%	99%	101%	106%	100%
			10000	96%	133%	131%	133%	151%	147%	143%	174%	92%	104%	103%	95%	107%	102%	101%	99%
			100000	100%	111%	112%	115%	121%	131%	134%	147%	99%	95%	95%	94%	101%	96%	90%	89%
		1000000	1	105%	108%	107%	109%	114%	106%	102%	99%	103%	103%	99%	99%	104%	108%	98%	103%
			5	99%	298%	297%	297%	284%	296%	302%	298%	95%	106%	99%	101%	102%	102%	101%	99%
			10	106%	279%	272%	283%	266%	271%	267%	282%	100%	97%	101%	101%	98%	102%	101%	96%
			25	99%	272%	253%	263%	255%	255%	247%	242%	100%	99%	104%	103%	95%	101%	102%	102%
			50	99%	240%	241%	248%	246%	245%	241%	233%	94%	101%	102%	96%	98%	97%	97%	102%
			100	98%	244%	244%	234%	229%	231%	232%	220%	97%	98%	105%	100%	100%	104%	97%	99%
			10000	97%	167%	167%	177%	167%	175%	184%	180%	100%	103%	105%	103%	104%	102%	101%	102%
			100000	91%	133%	140%	151%	155%	152%	155%	159%	100%	99%	92%	97%	103%	100%	99%	97%
			1000000	100%	110%	124%	123%	134%	143%	148%	152%	100%	103%	101%	93%	101%	102%	100%	99%
		10000000	1	99%	111%	110%	111%	109%	110%	110%	110%	100%	101%	101%	101%	102%	101%	101%	101%
			5	100%	352%	349%	344%	337%	339%	335%	336%	100%	101%	101%	101%	101%	101%	101%	100%
			10	100%	332%	324%	322%	315%	315%	309%	309%	100%	101%	101%	101%	101%	101%	101%	101%
			25	100%	313%	305%	301%	294%	293%	287%	286%	100%	101%	101%	101%	101%	101%	100%	100%
			50	100%	303%	293%	291%	282%	282%	277%	275%	101%	101%	101%	101%	100%	101%	100%	101%
			100	100%	291%	284%	282%	274%	274%	267%	267%	100%	101%	101%	101%	100%	100%	100%	100%
			10000	100%	211%	210%	212%	210%	211%	210%	211%	100%	101%	101%	100%	101%	100%	100%	100%
			1000000	100%	144%	149%	156%	160%	164%	168%	172%	99%	101%	100%	100%	101%	101%	101%	100%
			10000000	100%	116%	124%	132%	138%	144%	149%	154%	100%	101%	100%	100%	101%	100%	101%	100%
text	correlated	1000	1	97%	92%	89%	110%	96%	104%	98%	100%	100%	95%	95%	88%	77%	90%	93%	101%
			5	96%	117%	108%	110%	135%	138%	118%	106%	100%	84%	88%	90%	90%	75%	98%	89%
			10	105%	92%	98%	86%	95%	93%	88%	94%	91%	84%	90%	86%	89%	89%	87%	87%
			25	102%	99%	102%	90%	99%	87%	91%	96%	112%	93%	88%	86%	94%	77%	81%	78%
			50	99%	122%	73%	73%	80%	85%	83%	91%	100%	86%	86%	88%	85%	80%	79%	85%
			100	107%	98%	74%	70%	68%	73%	63%	77%	99%	98%	78%	83%	76%	80%	72%	70%
			1000	98%	102%	102%	85%	70%	63%	54%	49%	99%	99%	102%	74%	72%	62%	60%	57%
		10000	1	95%	93%	94%	104%	103%	106%	94%	105%	94%	82%	85%	89%	90%	95%	84%	83%
			5	97%	125%	108%	104%	108%	123%	114%	97%	95%	94%	90%	90%	99%	79%	82%	80%
			10	100%	96%	105%	96%	96%	118%	103%	98%	109%	100%	92%	90%	85%	85%	81%	86%
			25	100%	115%	104%	95%	92%	92%	93%	100%	83%	88%	88%	100%	86%	76%	80%	75%
			50	95%	135%	95%	90%	89%	85%	93%	92%	95%	92%	85%	86%	86%	82%	80%	73%
			100	95%	100%	83%	80%	70%	62%	67%	66%	99%	88%	82%	71%	79%	79%	72%	68%
			1000	102%	97%	75%	70%	57%	57%	55%	48%	101%	84%	76%	63%	65%	57%	50%	58%
			10000	101%	98%	98%	96%	74%	62%	59%	44%	102%	95%	88%	68%	68%	64%	53%	51%
		100000	1	101%	112%	111%	114%	109%	110%	111%	108%	102%	89%	85%	88%	88%	85%	88%	87%
			5	96%	127%	126%	119%	111%	117%	124%	119%	101%	91%	92%	92%	88%	92%	90%	85%
			10	100%	119%	110%	101%	107%	103%	103%	106%	101%	98%	91%	90%	89%	91%	88%	90%
			25	97%	126%	112%	108%	109%	105%	103%	104%	94%	93%	88%	87%	86%	83%	84%	84%
			50	100%	127%	110%	103%	95%	93%	96%	96%	106%	97%	90%	87%	82%	82%	84%	81%
			100	92%	116%	102%	89%	83%	82%	79%	80%	106%	92%	88%	82%	79%	77%	76%	76%
			10000	96%	102%	88%	75%	70%	63%	55%	49%	103%	86%	79%	71%	65%	60%	55%	49%
			100000	93%	107%	101%	88%	73%	62%	59%	53%	100%	89%	89%	80%	74%	62%	57%	48%
		1000000	1	100%	116%	114%	114%	114%	114%	114%	115%	99%	86%	85%	84%	85%	85%	85%	85%
			5	100%	127%	124%	119%	124%	117%	119%	128%	100%	94%	92%	91%	91%	90%	90%	90%
			10	100%	119%	116%	114%	112%	113%	114%	113%	100%	96%	93%	92%	91%	91%	90%	90%
			25	100%	133%	123%	117%	112%	112%	112%	110%	100%	94%	91%	88%	87%	86%	85%	85%
			50	100%	125%	125%	109%	99%	104%	100%	102%	101%	94%	91%	88%	85%	84%	83%	82%
			100	100%	117%	108%	97%	91%	86%	85%	85%	99%	94%	88%	85%	82%	79%	77%	77%
			10000	99%	100%	92%	82%	75%	66%	59%	52%	99%	89%	82%	74%	67%	61%	55%	50%
			100000	98%	93%	90%	76%	69%	62%	56%	50%	99%	88%	81%	71%	64%	58%	52%	47%
			1000000	94%	102%	90%	84%	78%	72%	62%	55%	98%	98%	87%	81%	76%	67%	59%	52%
		10000000	1	100%	120%	119%	118%	119%	119%	118%	119%	100%	85%	84%	84%	84%	84%	84%	84%
			5	100%	129%	127%	125%	125%	127%	125%	129%	100%	95%	93%	92%	92%	91%	91%	91%
			10	100%	127%	123%	120%	119%	119%	119%	120%	100%	96%	94%	93%	92%	91%	91%	91%
			25	100%	138%	129%	122%	120%	119%	119%	118%	100%	94%	92%	90%	88%	87%	87%	86%
			50	100%	132%	123%	113%	111%	104%	108%	103%	100%	95%	92%	90%	87%	85%	84%	84%
			100	100%	126%	117%	106%	99%	95%	93%	92%	100%	95%	90%	87%	84%	82%	80%	79%
			10000	100%	111%	104%	94%	83%	75%	66%	59%	100%	92%	85%	79%	72%	65%	60%	54%
			1000000	100%	94%	88%	80%	75%	68%	62%	54%	100%	88%	79%	75%	69%	63%	57%	51%
			10000000	100%	103%	94%	87%	78%	72%	66%	59%	99%	95%	89%	83%	79%	71%	64%	58%
	random	1000	1	97%	113%	114%	123%	123%	108%	105%	113%	100%	67%	85%	97%	117%	109%	105%	86%
			5	83%	106%	102%	111%	101%	114%	94%	94%	99%	90%	91%	90%	85%	93%	82%	89%
			10	107%	101%	101%	111%	91%	106%	99%	99%	95%	88%	89%	91%	89%	87%	89%	87%
			25	102%	94%	95%	108%	83%	86%	100%	110%	99%	86%	85%	83%	83%	88%	84%	84%
			50	101%	89%	90%	89%	91%	92%	110%	64%	101%	89%	81%	80%	80%	89%	78%	81%
			100	102%	93%	83%	84%	74%	82%	93%	82%	90%	86%	76%	75%	75%	80%	78%	78%
			1000	112%	102%	93%	82%	71%	68%	55%	50%	111%	106%	103%	84%	69%	65%	51%	63%
		10000	1	98%	110%	114%	108%	111%	97%	103%	135%	94%	92%	95%	90%	112%	101%	89%	91%
			5	105%	107%	104%	102%	112%	99%	134%	104%	97%	73%	92%	87%	87%	92%	92%	99%
			10	109%	109%	102%	83%	105%	107%	105%	88%	108%	95%	90%	84%	85%	91%	81%	88%
			25	100%	105%	97%	98%	100%	99%	99%	106%	88%	93%	80%	98%	93%	100%	83%	88%
			50	89%	105%	88%	107%	99%	86%	103%	95%	100%	85%	87%	80%	83%	74%	86%	91%
			100	115%	97%	101%	91%	111%	91%	89%	88%	98%	85%	83%	74%	91%	87%	81%	82%
			1000	96%	94%	67%	74%	68%	68%	63%	65%	101%	84%	71%	63%	58%	55%	55%	65%
			10000	92%	96%	92%	78%	75%	60%	54%	46%	91%	98%	87%	78%	65%	65%	54%	45%
		100000	1	102%	114%	112%	111%	117%	111%	114%	115%	103%	98%	98%	94%	96%	99%	95%	98%
			5	100%	104%	109%	110%	110%	105%	111%	108%	100%	89%	90%	89%	92%	94%	92%	93%
			10	102%	109%	112%	109%	107%	105%	102%	109%	100%	91%	91%	87%	93%	89%	94%	91%
			25	97%	108%	112%	108%	107%	105%	105%	105%	100%	91%	89%	90%	88%	90%	88%	86%
			50	103%	111%	105%	109%	111%	111%	103%	106%	97%	91%	90%	87%	88%	85%	88%	88%
			100	99%	102%	104%	106%	104%	104%	105%	110%	104%	89%	86%	90%	88%	90%	92%	92%
			10000	98%	100%	76%	64%	58%	58%	56%	57%	95%	88%	66%	61%	53%	51%	53%	52%