

## mksort comparison

xeon / v4 vs. v5 / patch comparison

[illegible]

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type	id	row	count	v4							v5							v6 (left)							v6 (right)																												
				1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7	1	2	3	4	5	6	7																						
text	1	5	1086	0.250	0.244	0.268	0.249	0.268	0.301	0.314	0.204	0.387	0.429	0.471	0.479	0.515	0.585	0.610	0.204	0.244	0.243	0.265	0.283	0.289	0.327	0.316	0.201	0.234	0.237	0.257	0.286	0.266	0.316	0.323	104%	96%	99%	99%	118%	108%	102%	101%	101%	99%	60%	55%	55%	60%	57%	54%	53%		
	2	5	1198	0.228	0.235	0.258	0.264	0.288	0.296	0.319	0.196	0.364	0.395	0.430	0.450	0.519	0.546	0.560	0.198	0.222	0.254	0.259	0.284	0.292	0.330	0.335	0.200	0.241	0.236	0.262	0.293	0.297	0.317	0.342	103%	96%	108%	108%	102%	101%	101%	101%	101%	102%	66%	60%	61%	65%	57%	58%	61%		
	3	25	1811	0.227	0.233	0.256	0.268	0.301	0.313	0.314	0.147	0.283	0.334	0.395	0.440	0.484	0.504	0.517	0.200	0.247	0.270	0.278	0.271	0.321	0.321	0.396	0.203	0.247	0.271	0.271	0.272	0.299	0.326	0.346	111%	100%	101%	94%	91%	103%	103%	106%	103%	103%	78%	67%	69%	73%	65%	67%	67%		
	4	5	1083	0.226	0.238	0.258	0.268	0.288	0.308	0.318	0.193	0.362	0.392	0.422	0.442	0.512	0.539	0.552	0.193	0.226	0.258	0.263	0.288	0.293	0.332	0.336	0.200	0.238	0.232	0.252	0.281	0.261	0.311	0.318	103%	100%	100%	97%	97%	103%	103%	103%	103%	103%	67%	60%	61%	65%	57%	58%	61%		
	5	10	1182	0.226	0.240	0.253	0.279	0.292	0.312	0.318	0.191	0.294	0.334	0.360	0.395	0.429	0.452	0.487	0.200	0.233	0.250	0.264	0.285	0.307	0.322	0.354	0.199	0.211	0.211	0.231	0.262	0.281	0.295	0.325	0.343	110%	103%	104%	104%	102%	103%	103%	103%	103%	103%	71%	64%	67%	71%	66%	72%	70%	
	6	1000	1.912	0.219	0.248	0.260	0.289	0.296	0.320	0.327	0.205	0.238	0.290	0.320	0.354	0.440	0.449	0.439	0.185	0.237	0.197	0.240	0.226	0.275	0.330	0.390	0.190	0.208	0.187	0.210	0.244	0.276	0.296	0.346	103%	100%	100%	97%	98%	103%	104%	103%	104%	103%	88%	83%	85%	86%	79%	87%	87%		
	7	1000	1.760	0.219	0.248	0.260	0.289	0.296	0.320	0.327	0.205	0.238	0.290	0.320	0.354	0.440	0.449	0.439	0.185	0.237	0.197	0.240	0.226	0.275	0.330	0.390	0.190	0.208	0.187	0.210	0.244	0.276	0.296	0.346	103%	100%	100%	97%	98%	103%	104%	103%	104%	103%	88%	83%	85%	86%	79%	87%	87%		
	8	1605	1.943	2.133	2.228	2.338	2.448	2.701	2.811	2.911	1.591	4.042	4.510	4.736	5.180	5.427	5.871	5.960	1.570	1.808	1.958	1.740	1.693	2.374	2.884	2.884	1.570	1.808	1.958	1.740	1.693	2.374	2.884	2.884	2.476	2.476	104%	92%	92%	79%	72%	72%	103%	103%	103%	103%	82%	74%	74%	74%	67%	67%	67%
	9	10	1544	1.939	2.045	2.148	2.207	2.054	2.396	2.296	1.597	3.861	3.804	4.447	4.814	4.499	4.430	4.565	1.647	1.509	2.094	2.212	2.468	2.368	2.745	2.500	1.599	1.841	2.006	2.146	2.410	2.304	2.643	2.589	107%	78%	102%	103%	122%	115%	110%	129%	100%	100%	48%	43%	48%	50%	50%	50%	50%		
	10	25	1573	1.891	2.107	2.125	1.877	2.213	2.844	2.805	1.598	3.584	3.742	4.061	4.441	4.254	5.024	5.442	1.588	1.781	2.126	2.157	2.381	2.297	2.749	2.904	1.609	1.981	2.144	1.993	1.990	2.169	2.567	2.684	101%	74%	101%	97%	122%	114%	104%	102%	101%	101%	55%	57%	49%	43%	51%	50%	56%		
	11	5	1596	1.987	2.110	1.848	2.456	2.391	2.137	2.214	1.568	3.283	3.663	3.802	4.102	4.387	4.314	5.205	1.605	1.965	2.219	2.216	2.330	2.522	2.278	2.679	1.603	1.986	2.081	2.249	2.499	2.429	2.714	2.826	101%	100%	100%	100%	100%	100%	100%	100%	100%	100%	86%	86%	87%	86%	85%	85%	84%		
	12	10	1596	1.987	2.110	1.848	2.456	2.391	2.137	2.214	1.568	3.283	3.663	3.802	4.102	4.387	4.314	5.205	1.605	1.965	2.219	2.216	2.330	2.522	2.278	2.679	1.603	1.986	2.081	2.249	2.499	2.429	2.714	2.826	101%	100%	100%	100%	100%	100%	100%	100%	100%	100%	86%	86%	87%	86%	85%	85%	84%		
	13	1000	1.901	1.931	2.144	2.312	2.418	2.367	2.709	2.705	1.567	2.726	2.842	3.248	3.544	3.937	4.127	4.370	1.522	1.055	2.211	2.164	2.490	2.473	2.449	2.734	1.380	1.901	2.109	2.281	2.369	2.449	2.156	2.611	101%	100%	100%	94%	103%	105%	106%	101%	101%	101%	88%	70%	74%	60%	67%	63%	62%		
	14	10000	15.232	1.942	1.824	1.905	2.060	2.362	2.718	2.624	1.575	2.216	2.275	2.796	2.745	1.386	3.766	3.711	1.486	1.907	2.144	2.264	2.175	2.150	2.717	2.822	1.509	1.975	2.122	2.269	2.475	2.535	2.677	2.783	96%	118%	119%	104%	91%	102%	107%	100%	100%	100%	89%	63%	81%	90%	79%	75%	75%		
	15	1	1260	1.935	1.290	1.057	0.772	1.325	1.088	1.373	1.428	0.249	1.190	1.266	1.673	1.436	1.115	1.284	1.075	1.675	1.287	1.522	1.492	1.435	1.270	1.448	1.639	1.734	1.394	1.238	1.548	1.345	1.133	1.137	1.087	1.045	102%	98%	102%	102%	102%	102%	102%	102%	102%	102%	98%	79%	97%	93%	93%	108%	118%
	16	1	1425	1.935	1.290	1.057	0.772	1.325	1.088	1.373	1.428	0.249	1.190	1.266	1.673	1.436	1.115	1.284	1.075	1.675	1.287	1.522	1.492	1.435	1.270	1.448	1.639	1.734	1.394	1.238	1.548	1.345	1.133	1.137	1.087	1.045	102%	98%	102%	102%	102%	102%	102%	102%	102%	102%	98%	79%	97%	93%	93%	108%	118%
	17	10	1091	1.404	1.604	1.804	1.605	1.685	2.040	2.263	2.414	11.506	42.200	41.744	36.252	43.435	48.870	53.870	53.996	13.318	15.993	15.345	17.094	19.219	21.133	18.978	23.183	14.447	15.677	16.322	17.602	18.483	20.394	16.315	18.574	126%	101%	107%	110%	103%	84%	95%	107%	107%	107%	107%	44%	43%	44%	39%	34%	34%	
	18	10	1086	1.428	1.734	1.891	1.803	2.040	2.247	2.1602	11.506	42.200	41.744	36.252	43.435	48.870	53.870	53.996	13.318	15.993	15.345	17.094	19.219	21.133	18.978	23.183	14.447	15.677	16.322	17.602	18.483	20.394	16.315	18.574	126%	101%	107%	110%	103%	84%	95%	107%	107%	107%	107%	44%	43%	44%	39%	34%	34%		
	19	5	12407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	20	1000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	21	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	22	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	23	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	24	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	25	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.817	37.141	37.228	38.945	34.721	40.535	44.548	45.895	13.136	13.273	16.714	15.613	21.221	20.169	18.905	20.646	15.731	14.287	16.039	16.634	21.559	19.170	16.163	19.095	106%	100%	100%	100%	127%	104%	107%	107%	107%	107%	98%	38%	43%	42%	49%	45%	45%		
	26	10000	12.407	15.805	16.275	17.259	16.786	19.336	20.101	23.270	13.																																										



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