

i5 / 10M rows

MEDIAN of timing		prefetch rows											
		no				yes							
sorted	indexes	100	1000	10000	100000	100	1000	10000	100000	100	1000	10000	100000
no	1	1	7	58	580	1	8	71	720	110%	118%	122%	124%
	2	2	10	87	860	2	12	112	1063	106%	123%	129%	124%
	3	2	14	132	1154	2	15	146	1451	111%	111%	111%	126%
	4	3	19	167	1913	3	24	240	2341	120%	130%	143%	122%
	5	5	34	258	1602	5	48	463	4166	89%	138%	180%	260%
yes	1	1	6	50	481	1	7	64	639	118%	124%	128%	133%
	2	2	9	75	678	2	11	93	857	115%	123%	125%	126%
	3	2	12	98	863	2	14	126	1153	116%	126%	129%	134%
	4	5	18	164	1475	3	23	200	1872	59%	127%	122%	127%
	5	2	16	135	2087	4	37	315	2938	178%	232%	233%	141%
		96%	90%	86%	83%	103%	95%	90%	89%	113%	112%	111%	110%
		87%	92%	86%	79%	94%	92%	83%	81%	100%	113%	107%	100%
		95%	83%	75%	75%	99%	94%	86%	79%	110%	104%	96%	100%
		207%	97%	98%	77%	101%	95%	84%	80%	121%	123%	120%	98%
		44%	46%	52%	130%	88%	77%	68%	71%	78%	107%	122%	183%

i5 / 100M rows

MEDIAN of timing		prefetch rows											
sorted	indexes	no				yes				100	1000	10000	100000
		100	1000	10000	100000	100	1000	10000	100000				
no	1	2	11	101	1216	2	17	152	1536	137%	153%	150%	126%
	2	2	14	135	1991	3	28	241	2499	133%	197%	179%	126%
	3	3	21	346	3409	4	34	341	3435	157%	160%	99%	101%
	4	17	162	1914	8420	7	63	548	5901	38%	39%	29%	70%
	5	124	866	6474	54370	13	166	1740	17814	10%	19%	27%	33%
yes	1	4	13	113	1135	4	26	274	2160	88%	209%	242%	190%
	2	3	20	185	1769	3	27	235	2282	125%	138%	127%	129%
	3	4	52	293	2759	4	34	314	3060	112%	67%	107%	111%
	4	8	44	458	4103	9	61	566	5238	125%	140%	124%	128%
	5	35	383	3440	23141	16	162	1701	16220	46%	42%	49%	70%
		261%	115%	112%	93%	168%	157%	180%	141%	230%	240%	270%	178%
		122%	135%	137%	89%	114%	95%	97%	91%	152%	187%	174%	115%
		131%	244%	85%	81%	94%	102%	92%	89%	147%	163%	91%	90%
		44%	27%	24%	49%	145%	97%	103%	89%	55%	38%	30%	62%
		28%	44%	53%	43%	126%	98%	98%	91%	13%	19%	26%	30%

i5 / 1B rows

MEDIAN of timing		prefetch rows											
		no				yes							
sorted	indexes	100	1000	10000	100000	100	1000	10000	100000	100	1000	10000	100000
no	1	19	175	1715	18649	17	152	1611	16715	93%	87%	94%	90%
	2	38	388	3475	39533	23	254	2490	25533	60%	66%	72%	65%
	3	53	516	5649	57666	28	324	3202	33378	53%	63%	57%	58%
	4	75	716	7873	78469	31	342	3392	34051	42%	48%	43%	43%
	5	98	1011	9906	98765	36	361	4174	38042	37%	36%	42%	39%
yes	1	20	173	1781	17965	17	150	1600	16484	85%	87%	90%	92%
	2	36	384	3808	37744	27	278	2633	25194	77%	72%	69%	67%
	3	55	594	5736	59894	33	325	3261	32288	59%	55%	57%	54%
	4	81	791	7575	77961	30	315	3230	33260	37%	40%	43%	43%
	5	100	990	9702	99189	38	393	3839	40770	38%	40%	40%	41%
		106%	99%	104%	96%	97%	99%	99%	99%	90%	86%	93%	88%
		92%	99%	110%	95%	119%	109%	106%	99%	71%	72%	76%	64%
		105%	115%	102%	104%	116%	100%	102%	97%	62%	63%	58%	56%
		107%	110%	96%	99%	95%	92%	95%	98%	40%	44%	41%	42%
		102%	98%	98%	100%	104%	109%	92%	107%	38%	39%	39%	41%

xeon / 10M rows

MEDIAN of timing	sorted	indexes	prefetch		rows											
			no	yes	no				yes							
			100	1000	10000	100000	100	1000	10000	100000	100	1000	10000	100000		
no		1	1	6	58	589	1	7	73	735	117%	119%	127%	125%		
		2	1	10	94	933	2	12	120	1168	124%	127%	128%	125%		
		3	2	13	131	1304	2	17	166	1645	122%	128%	127%	126%		
		4	2	17	168	1656	3	22	213	2117	124%	130%	127%	128%		
		5	5	46	342	1938	5	49	478	3457	98%	107%	140%	178%		
yes		1	1	6	60	534	1	8	75	696	125%	129%	126%	130%		
		2	1	10	92	771	1	12	114	1001	122%	123%	124%	130%		
		3	2	13	123	1024	2	17	156	1342	123%	125%	127%	131%		
		4	2	17	153	1264	2	21	198	1665	123%	127%	129%	132%		
		5	2	20	190	2329	3	28	252	2033	134%	144%	133%	87%		
			91%	97%	103%	91%	97%	105%	103%	95%	114%	126%	130%	118%		
			91%	99%	98%	83%	89%	96%	95%	86%	111%	122%	122%	107%		
			93%	100%	94%	79%	95%	98%	94%	82%	115%	125%	119%	103%		
			93%	99%	91%	76%	92%	97%	93%	79%	114%	125%	118%	101%		
			40%	43%	55%	120%	54%	58%	53%	59%	53%	62%	74%	105%		

xeon / 100M rows

MEDIAN of timing	prefetch rows													
	sorted	indexes	no				yes				100	1000	10000	100000
			100	1000	10000	100000	100	1000	10000	100000				
no		1	1	10	102	987	1	12	116	1162	94%	115%	113%	118%
		2	2	17	160	1861	2	24	232	2446	125%	143%	145%	131%
		3	2	22	212	2938	5	50	496	4410	195%	222%	234%	150%
		4	3	31	295	4351	10	56	514	5037	291%	181%	174%	116%
		5	6	46	607	5762	10	67	665	6579	149%	145%	110%	114%
yes		1	1	10	96	910	2	12	122	1170	126%	122%	126%	129%
		2	2	19	181	1698	5	26	236	2272	225%	134%	130%	134%
		3	3	31	269	4604	5	40	362	3166	157%	130%	135%	69%
		4	8	48	405	3650	5	52	472	4285	64%	108%	117%	117%
		5	8	58	523	4679	8	68	603	5438	99%	118%	115%	116%
			92%	97%	94%	92%	123%	104%	105%	101%	116%	119%	119%	119%
			109%	114%	113%	91%	198%	107%	102%	93%	247%	152%	148%	122%
			121%	138%	127%	157%	97%	81%	73%	72%	189%	180%	171%	108%
			249%	156%	137%	84%	55%	93%	92%	85%	161%	169%	160%	98%
			119%	126%	86%	81%	79%	102%	91%	83%	118%	149%	99%	94%

xeon / 1B rows

MEDIAN of timing	prefetch rows													
	sorted	indexes	no				yes							
			100	1000	10000	100000	100	1000	10000	100000	100	1000	10000	100000
no	1	12	114	1160	11691	11	117	1223	12088	98%	102%	105%	103%	
	2	24	237	2438	26803	15	157	1724	17325	63%	66%	71%	65%	
	3	39	361	3666	41477	19	222	2171	22095	48%	61%	59%	53%	
	4	53	506	5614	58544	24	276	2815	28008	45%	55%	50%	48%	
	5	128	1083	9435	69962	26	275	2854	28377	20%	25%	30%	41%	
yes	1	13	128	1298	12885	11	114	1179	11584	87%	89%	91%	90%	
	2	26	241	2651	25696	14	159	1689	16851	56%	66%	64%	66%	
	3	41	431	4111	40355	19	225	2132	21563	46%	52%	52%	53%	
	4	58	593	5853	55991	24	288	2743	27124	41%	49%	47%	48%	
	5	67	683	6790	67344	25	277	2780	28141	38%	41%	41%	42%	
		110%	112%	112%	110%	98%	98%	96%	96%	96%	100%	102%	99%	
		105%	101%	109%	96%	94%	102%	98%	97%	59%	67%	69%	63%	
		104%	119%	112%	97%	99%	102%	98%	98%	48%	62%	58%	52%	
		109%	117%	104%	96%	98%	104%	97%	97%	44%	57%	49%	46%	
		52%	63%	72%	96%	96%	100%	97%	99%	20%	26%	29%	40%	