MEDIAN o	f duration						is the scan	n type pi	icked by d	optimizer	•		patch v1						patch v3					
caching	dataset	scan_type	test	prefetch	machine	rows	1	10	100	1000	10000	100000	1	10	100	1000	10000	100000	1	10	100	1000	10000	10000
cached	cycle	bitmapscan	btree	0	i5	1000000							100%	100%	101%	100%	101%	101%	98%	98%	99%	98%	100%	100
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			btree-sort	0	i5	1000000							102%	136%	121%	131%	104%	84%	105%	86%	81%	132%	90%	879
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		indexscan	btree	0	i5	1000000							98%	99%	99%	98%	99%	99%	98%	97%	99%	97%	97%	1009
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		32 i5	1000000		102%	100%	100%	101%	102%	103%	99%	100%	98%	103%	107%	106%
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	btree-sort	0 i5	1000000		101%	101%	102%	100%	99%	97%	100%	99%	98%	98%	98%	1019
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			50000000		104%	102%	99%	101%	100%	96%	101%	100%	102%	98%	101%	1039
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		32 i5	1000000		101%	100%	101%	101%	102%	106%	100%	98%	99%	101%	106%	1069
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		xeon	1000000		97%	97%	97%	95%	109%	106%	98%	98%	106%	102%	106%	1109
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	hash	0 i5	1000000		100%	101%	103%	101%	100%	99%	97%	99%	99%	98%	100%	99%
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		0 :5	100000000		103%	100%	96%	96%	103%	95%	96%	108%	88%	101%	103%	1089
seqscan	btree	0 i5	1000000		101%	100%	100%	100%	100%	130%	99%	99%	99%	99%	101%	779
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	btree-sort	0 i5	1000000		99%	100%	102%	100%	100%	100%	103%	103%	100%	97%	102%	1039
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		hash	0	i5	1000000	99%	99%	100%	100%	101%	78%	98%	95%	100%	99%	99%	101%
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random	bitmapscan	btree	0	i5	1000000	101%	101%	101%	99%	99%	99%	99%	99%	99%	98%	99%	100%
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				xeon	1000000				4000/	4000/	000/	102%		4000/	96%	106%	97%
				xeon	1000000	94%	98%	95%	100%	103%	98%	102 /0	97%	103%	90%	10070	
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	hash	0 i5	1000000	100			98%	101%	99%	98%	99%	100%	99%	99%	101%
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		xeor		100		107%	100%	98%	94%	101%	91%	106%	117%	101%	108%
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to do a serie	la de la la	0 :5	10000000	1089		99%	97%	99%	101%	89%	101%	101%	111%	101%	1019
indexscan	btree	0 i5	1000000	100		100%	99%	98%	100%	99%	100%	102%	97%	100%	100%
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		xeor		1029		99%	98%	101%	96%	100%	101%	108%	111%	99%	103%
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		00 :=	10000000	959		108%	91%	98%	102%	101%	107%	102%	97%	101%	104%
		32 i5	1000000	1019		101%	103%	105%	107%	100%	96%	99%	100%	109%	106%
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		xeor		1049		94%	95%	104%	109%	100%	100%	103%	103%	101%	109%
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	btree-sort	0 i5	1000000	100		100%	101%	98%	99%	100%	101%	99%	100%	101%	99%
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		xeor		1039		99%	104%	101%	99%	100%	101%	96%	101%	102%	99%
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		32 i5	1000000	1019		101%	101%	106%	107%	101%	101%	100%	102%	109%	1079
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		xeor		100		97%	98%	101%	109%	102%	99%	103%	101%	106%	103%
			10000000	989	6 100%	102%	98%	104%	121%	102%	98%	98%	102%	106%	1119
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	hash	0 i5	1000000	999	6 100%	100%	100%	100%	99%	99%	100%	101%	99%	99%	100%
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		xeor	1000000	989	6 98%	99%	103%	107%	87%	103%	97%	106%	113%	98%	1029
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		32 i5	1000000	1009	6 100%	99%	104%	103%	104%	98%	99%	99%	101%	104%	1079
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	seqscan	btree	0 i5	1000000	100%	100%	102%	100%	102%	102%	99%	99%	101%	99%	99%	1
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indexscan	btree	0 i5	10000000		1009		101%	100%	99%	102%	99%	100%	98%	99%	99%	101%
illuexscall	Direc	0 15	1000000		999		101%	100 %	99%	99%	97%	100%	99%	100%	100%	99%
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	555 55.1	0 .0	10000000	102%	102%	102%	100%	99%	102%	103%	101%	104%	102%	103%	95%
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	latara a sant	0 :5	10000000	100%	100%	101%	99%	101%	100%	101%	100%	101%	101%	101%	101%
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		xeor			99%	102%	102%		99%	102%	100%		100%		
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		3 <u>L</u> 10	1000000	101%	99%	102%	100%	101%	95%	102%	98%	90%	87%	100%	99%
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					0000000		98%	103%	110%	102%	103%	100%	102%	92%	87%	109%	101%	-
		btree-sort	0 i		1000000		99%	88%	99%	101%	115%	106%	96%	79%	103%	92%	126%	
					0000000		98%	85%	112%	92%	102%	92%	99%	84%	97%	99%	68%	
				5	50000000		124%	94%	75%	73%	128%	81%	100%	140%	120%	81%	87%	,
				xeon	1000000		115%	90%	88%	104%	100%	84%	98%	108%	140%	79%	105%	,
				1	0000000		76%	93%	100%	91%	126%	104%	131%	102%	101%	97%	101%	)
				10	0000000		99%	128%	101%	89%	124%	127%	82%	95%	98%	114%	97%	)
			32 i	i5	1000000		69%	90%	103%	141%	74%	80%	81%	81%	67%	105%	81%	,
				1	0000000		131%	90%	100%	89%	115%	85%	107%	70%	74%	98%	94%	,
					50000000		116%	88%	82%	80%	122%	88%	123%	71%	64%	84%	92%	,
			2	xeon	1000000		118%	71%	113%	109%	88%	81%	94%	76%	97%	89%	97%	,
				1	0000000		109%	89%	96%	87%	88%	117%	81%	77%	120%	103%	90%	,
				10	0000000		111%	119%	125%	103%	83%	118%	91%	84%	124%	95%	113%	,
		hash	0 i	i5	1000000		102%	96%	106%	95%	99%	101%	101%	96%	88%	98%	93%	,
				1	0000000		100%	103%	106%	91%	94%	103%	93%	91%	114%	104%	99%	,
					60000000		101%	100%	98%	97%	101%	100%	105%	97%	109%	88%	92%	,
			2	xeon	1000000		98%	102%	106%	95%	102%	101%	104%	96%	94%	93%	102%	,
				1	0000000		95%	99%	99%	98%	98%	100%	102%	98%	95%	95%	101%	,
				10	0000000		96%	106%	91%	99%	99%	98%	95%	107%	108%	97%	102%	,
			32 i	i5	1000000		99%	102%	98%	91%	105%	102%	106%	103%	102%	103%	86%	,
				1	0000000		102%	104%	98%	101%	104%	101%	105%	90%	100%	104%	91%	,
				5	0000000		97%	101%	99%	89%	105%	100%	103%	100%	103%	107%	99%	,
			2	xeon	1000000		96%	91%	96%	102%	98%	99%	101%	102%	102%	102%	104%	,
				1	0000000		93%	88%	100%	94%	100%	99%	100%	95%	99%	107%	101%	,
				10	0000000		97%	92%	101%	103%	95%	100%	101%	108%	99%	102%	101%	,
	indexscan	btree	0 i	i5	1000000		113%	98%	100%	116%	100%	102%	102%	98%	100%	101%	99%	,
				1	0000000		99%	94%	103%	95%	108%	104%	98%	97%	95%	94%	96%	,
				5	60000000		103%	102%	98%	111%	91%	98%	98%	97%	105%	92%	87%	,
			2	xeon	1000000		108%	102%	100%	93%	104%	100%	105%	105%	97%	101%	96%	,
				1	0000000		100%	103%	105%	102%	104%	101%	98%	98%	94%	110%	103%	,
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		32 i5	1000000		96%	98%	106%	109%	237%	386%	102%	96%	97%	105%	93%	100%
			10000000		100%	99%	97%	123%	222%	391%	100%	93%	98%	97%	95%	103%
			50000000		104%	100%	101%	112%	219%	388%	95%	92%	111%	105%	103%	100%
		xeon	1000000		101%	98%	103%	114%	173%	236%	98%	109%	101%	102%	109%	99%
			10000000		95%	99%	88%	103%	179%	223%	103%	103%	100%	108%	103%	1029
			100000000		112%	102%	100%	108%	183%	218%	101%	98%	92%	103%	99%	103%
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			50000000		96%	98%	96%	104%	90%	100%	95%	91%	101%	97%	95%	1019
		xeon	1000000		101%	101%	101%	100%	99%	101%	91%	99%	99%	99%	101%	989
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			10000000		106%	104%	100%	115%	229%	389%	95%	98%	96%	96%	98%	106%
			50000000		100%	97%	99%	132%	230%	383%	98%	103%	102%	103%	102%	102%
		xeon	1000000		103%	105%	94%	104%	184%	217%	104%	108%	99%	104%	103%	107%
			10000000		104%	96%	98%	108%	182%	222%	103%	103%	96%	101%	103%	103%
			100000000		96%	103%	96%	114%	175%	245%	104%	96%	97%	101%	103%	102%
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			50000000		103%	107%	101%	105%	107%	97%	100%	101%	101%	112%	100%	90%
		xeon	1000000		96%	96%	111%	96%	101%	100%	96%	98%	98%	101%	104%	94%
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			50000000		104%	101%	96%	137%	250%	472%	99%	98%	97%	100%	92%	102%
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seqscan	btree	0 i5	1000000		97%	105%	92%	96%	94%	89%	100%	119%	100%	98%	100%	95%
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		xeon	1000000		100% 101%	101% 101%	100%	100%	100%	114%	101% 100%	100% 100%	100% 100%	99% 102%	130% 100%	1129 959
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		voon	1000000		100%	99%	103%	100%	113%	113%	105%	107%	102%	100%	77%	115%
		xeon	1000000		102%	100%	99%	100%	101%	103%	100%	101%	102%	100%	100%	98%
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			50000000		100%	100%	101%	98%	100%	105%	100%	100%	101%	96%	94%	100%

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		100000000	100%	101%	101%	101%	100%	104%	100%	100%	100%	100%	101%	101%
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		10000000	98%	101%	101%	96%	101%	97%	92%	113%	100%	95%	95%	119%
		50000000	100%	106%	90%	95%	101%	103%	105%	101%	96%	101%	100%	104%
	xeon	1000000	99%	100%	101%	100%	102%	101%	101%	100%	96%	99%	99%	91%
		10000000	101%	93%	100%	100%	98%	99%	98%	101%	99%	102%	100%	100%
		10000000	100%	101%	100%	100%	100%	100%	100%	101%	102%	101%	101%	100%
hash	0 i5	1000000	109%	97%	108%	116%	93%	110%	102%	89%	91%	98%	100%	97%
		10000000	99%	99%	98%	102%	99%	97%	99%	106%	84%	102%	98%	99%
		5000000	96%	100%	100%	100%	103%	96%	99%	99%	105%	100%	99%	90%
	xeon	1000000	99%	100%	100%	101%	101%	100%	101%	100%	99%	101%	99%	100%
		10000000	99%	101%	100%	100%	95%	98%	100%	101%	100%	100%	102%	102%
		100000000	101%	101%	100%	100%	101%	101%	99%	100%	100%	101%	100%	100%
	32 i5	1000000	97%	103%	97%	94%	100%	96%	110%	88%	92%	108%	111%	84%
		10000000	101%	99%	89%	100%	100%	98%	91%	92%	98%	99%	99%	99%
		50000000	100%	100%	108%	101%	100%	100%	107%	99%	94%	100%	100%	100%
	xeon	1000000	100%	98%	100%	101%	130%	98%	101%	102%	100%	99%	100%	96%
		10000000	99%	100%	100%	100%	99%	106%	100%	100%	100%	100%	99%	99%
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