saop raw

MEDIAN of duration

caching	scan_type	test	prefetch	dataset	machine	nvalues	distance	rows	master 1	master 10	master 100	master 1000	master 10000	master 100000	patched 1	patched 10	patched 100	patched 1000	patched 10000	patched 100000	1	10	100	1000	10000	100000
cached	bitmapscan	btree-saop	0	cycle	i5	5	1	1000000	8.2	8.1	8.5	12.1	43.3	272.6	8.1	8.1	8.5	12.2	43.7	269.6	99%	99%	100%	101%	101%	99%
								10000000	8.0	8.1	8.3	12.1	44.2	385.9	8.1	8.3	8.4	12.6	43.7	378.4	101%	102%	101%	104%	99%	98%
								50000000	8.2	8.2	8.6	12.2	44.2	390.7	8.2	8.1	8.8	12.3	43.9	388.2	100%	100%	103%	101%	99%	99%
							10	1000000	7.9	8.1	8.7	13.8	74.5		8.1	8.1	8.9	13.6	61.4		103%	100%	103%	98%	82%	
								10000000	8.1	8.0	8.7	13.7	63.0	1345.8	8.0	8.1	8.7	14.7	62.5	1347.6	99%	102%	100%	107%	99%	100%
								50000000	8.1	8.3	8.9	13.7	63.1	26895.0	8.1	8.2	9.2	13.9	63.2	27151.0	100%	99%	104%	102%	100%	101%
						10	1	1000000	8.0	8.2	9.1	14.2	68.7		8.1	8.1	9.0	16.6	68.0		102%	99%	99%	117%	99%	
								10000000	8.1	8.1	9.0	14.3	69.1	1138.4	8.1	8.2	9.0	14.4	68.8	1133.2	101%	101%	100%	101%	100%	100%
								50000000	8.0	9.1	8.9	14.5	69.5	29211.2	8.2	9.3	9.0	14.9	69.0	29349.1	102%	101%	101%	103%	99%	100%
							10	1000000	8.2	8.3	9.5	18.2			8.1	8.2	9.7	20.5			98%	99%	103%	112%		
								10000000	8.1	8.0	9.4	18.2	107.3		8.0	8.2	9.3	18.4	106.5		100%	103%	99%	101%	99%	
								50000000	8.1	9.1	9.7	18.7	108.2	36267.8	8.1	9.7	9.9	18.7	107.2	36414.3	101%	107%	102%	100%	99%	100%
						100	1	1000000	8.3	9.4	13.4	57.4			8.4	9.7	13.7	57.9			101%	103%	102%	101%		
								10000000	9.4	9.1	13.7	57.6	502.2		9.5	9.0	13.9	57.1	505.1		100%	99%	101%	99%	101%	
								50000000	9.4	9.3	13.9	57.6	504.0	39476.6	9.6	9.4	13.9	57.2	497.7	39699.9	102%	102%	100%	99%	99%	101%
							10	1000000	8.3	9.6	17.9				8.3	9.7	18.0				100%	101%	100%			
								10000000	9.5	9.6	19.3	102.1			9.6	9.5	18.0	102.4			102%	99%	93%	100%		
								50000000	9.5	9.7	18.3	102.0	7004.1		9.6	9.9	18.2	101.1	7073.2		100%	103%	99%	99%	101%	
					xeon	5	1	1000000	9.7	10.4	10.7	14.4	53.1	332.4	9.9	10.3	9.7	14.1	51.4	337.1	102%	99%	91%	98%	97%	101%
								10000000	10.0	10.2	10.7	13.9	54.7	461.6	10.0	9.9	10.8	14.6	54.6	471.4	100%	97%	101%	105%	100%	102%
								100000000	9.7	10.4	10.6	14.0	54.3	466.0	9.9	9.9	11.2	15.2	53.6	480.8	102%	95%	105%	108%	99%	103%
							10	1000000	9.8	10.0	10.6	17.5	76.6		10.3	9.5	10.2	15.9	76.9		105%	94%	97%	91%	100%	
								10000000	9.9	10.3	11.3	16.3	78.5	1767.6	10.0	10.7	11.7	16.7	76.6	1699.1	101%	104%	104%	103%	98%	96%
								100000000	10.5	10.7	10.7	16.9	85.8	1751.6	10.8	10.5	12.0	16.6	84.6	1761.0	103%	98%	112%	98%	99%	101%
						10	1	1000000	9.7	10.8	10.4	17.9	84.2		10.1	10.1	10.9	16.8	84.1		104%	94%	105%	94%	100%	
								10000000	9.8	9.7	10.5	18.1	84.8	1431.7	10.3	9.8	11.4	17.8	82.3	1500.7	106%	101%	109%	98%	97%	105%
								100000000	10.0	10.8	10.9	17.7	97.5	1412.9	9.8	10.8	12.1	17.9	97.8	1531.0	98%	100%	111%	101%	100%	108%
							10	1000000	10.3	10.9	10.9	21.3			9.8	9.9	11.0	22.6			96%	91%	101%	106%		
								10000000	10.8	10.4	11.2	21.6	134.2		10.1	10.4	12.0	23.3	135.1		94%	99%	107%	108%	101%	
								100000000	10.7	10.9	11.0	23.6	139.4	3137.0	10.8	9.5	10.5	22.1	138.4	3197.0	101%	87%	96%	94%	99%	102%
						100	1	1000000	10.4	10.6	16.6	69.5			10.7	10.1	16.0	67.1			103%	96%	96%	97%		
								10000000	10.3	11.1	16.1	68.9	644.1		10.2	11.0	16.4	69.9	796.8		100%	99%	101%	101%	124%	
								100000000	10.9	11.1	16.8	82.1	644.1	10357.6	10.5	11.1	16.0	82.2	737.8	10434.0	97%	100%	95%	100%	115%	101%
							10	1000000	10.0	10.5	21.5				10.7	10.8	21.2				107%	103%	99%			
								10000000	10.5	12.3	21.1	127.2			9.9	11.3	22.0	121.4			94%	92%	104%	95%		
								100000000	10.9	11.1	21.6	128.3	2827.1		10.3	12.4	21.5	128.4	2749.9		95%	112%	100%	100%	97%	
				random	i5	5	1	1000000	8.0	8.2	9.0	16.2	64.5	274.9	8.1	8.2	9.0	16.0	76.9	271.5	102%	100%	100%	99%	119%	99%
								10000000	8.0	8.3	9.0	16.2	82.1	1429.3	8.1	8.2	9.2	16.4	82.4	1424.7	102%	99%	102%	101%	100%	100%
								50000000	8.1	8.3	9.6	16.4	86.7	39091.0	8.3	8.2	9.5	16.4	86.0	39052.6	102%	99%	99%	100%	99%	100%
							10	1000000	8.0	8.1	9.0	17.3	64.9		8.1	8.2	9.2	16.1	65.2		101%	101%	102%	93%	100%	
								10000000	8.0	8.1	9.0	16.3	82.6	1437.0	8.0	8.2	9.0	16.7	82.8	1436.5	102%	101%	100%	103%	100%	100%
								50000000	8.1	8.2	9.5	16.2	85.6	38225.7	8.2	8.3	9.5	16.4	86.5	38774.7	102%	101%	100%	101%	101%	101%
						10	1	1000000	8.1	8.3	10.1	22.5	97.7		8.1	8.2	10.5	22.4	97.0		101%	99%	105%	100%	99%	
								10000000	8.2	8.3	10.1	23.9	154.3	1988.5	8.1	8.3	9.9	23.9	152.6	1980.8	99%	99%	98%	100%	99%	100%
								50000000	8.1	8.3	9.9	24.2	167.4	31147.6	8.2	8.3	10.1	24.2	165.3	31349.4	101%	100%	103%	100%	99%	101%
							10	1000000	8.0	8.3	10.2	22.3			8.1	8.7	10.2	22.2			102%	104%	100%	99%		
								10000000	8.1	8.4	10.1	23.8	154.9		8.2	9.4	9.8	23.7	153.9		101%	112%	98%	100%	99%	
								50000000	8.2	8.4	9.9	24.3	166.7	31058.6	8.2	8.5	10.0	23.8	167.0	31565.6	99%	101%	101%	98%	100%	102%
						100	1	1000000	8.9	10.3	22.7	98.4			8.7	10.4	22.7	97.8			98%	101%	100%	99%		
								10000000	9.9	10.0	24.0	156.9	1991.9		8.5	10.2	24.7	153.7	1998.7		86%	102%	103%	98%	100%	
								50000000	8.8	10.1	24.5	166.7	30944.4	21387.8	8.7	10.1	24.1	166.4	31038.7	21050.4	99%	101%	98%	100%	100%	98%
							10	1000000	8.4	10.5	22.8				9.0	10.5	22.8				108%	99%	100%			
								10000000	9.9	10.4	24.4	154.4			9.7	10.4	24.2	154.0			98%	100%	99%	100%		
								50000000	8.7	10.3	24.7	166.8	31308.6		8.9	10.3	24.4	166.0	31121.5		101%	101%	99%	99%	99%	
					xeon	5	1	1000000	10.1	10.0	11.0	19.7	79.1	343.3	10.0	9.8	10.5	19.9	80.8	343.1	99%	98%	95%	101%	102%	100%
								10000000	9.7	10.5	10.8	19.2	101.2	1763.9	10.2	10.0	10.7	20.1	97.9	1871.3	105%	96%	99%	105%	97%	106%
								100000000	9.5	10.3	11.5	19.6	107.6	2711.4	10.3	9.9	11.7	20.2	105.2	2722.3	107%	96%	102%	103%	98%	100%

grp	cpu	conc	sub	size	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	r1	r2	r3	r4	r5	r6
			10	1000000	9.7	10.3	12.2	19.2	79.7		10.1	10.0	11.1	19.5	78.7		104%	96%	91%	101%	99%	
				10000000	9.7	9.9	12.2	19.4	100.2	1949.0	9.7	10.2	11.1	20.0	92.4	1871.7	100%	103%	91%	103%	92%	96%
				100000000	10.4	9.9	10.5	19.9	104.4	2724.7	9.7	11.0	11.0	20.2	106.2	2616.9	94%	111%	105%	101%	102%	96%
		10	1	1000000	10.2	10.1	12.9	26.4	119.1		9.7	10.2	13.0	26.0	112.5		94%	101%	101%	98%	94%	
				10000000	10.2	10.4	12.6	27.6	187.6	2500.6	9.6	9.8	11.7	28.3	188.2	2640.6	94%	94%	93%	103%	100%	106%
				100000000	10.4	10.3	13.1	28.0	201.4	4854.7	10.1	10.3	11.8	27.8	214.3	4960.6	97%	100%	90%	99%	106%	102%
			10	1000000	9.9	10.2	12.6	26.7			9.8	10.5	12.1	27.0			99%	103%	96%	101%		
				10000000	9.6	10.5	12.8	28.8	171.2		10.1	10.0	11.7	28.8	187.8		105%	95%	91%	100%	110%	
				100000000	11.0	10.0	12.1	29.0	203.6	4866.9	10.2	11.1	11.5	28.8	202.5	5141.8	92%	110%	95%	99%	99%	106%
		100	1	1000000	10.3	12.6	26.0	118.9			10.5	12.6	26.4	111.3			101%	100%	102%	94%		
				10000000	9.5	12.2	28.4	171.2	2697.7		10.1	13.1	28.8	171.5	2586.6		105%	107%	101%	100%	96%	
				100000000	11.1	13.1	27.9	204.2	4863.2	33253.3	10.6	13.3	29.3	199.5	4946.7	32635.5	96%	102%	105%	98%	102%	98%
			10	1000000	10.4	11.8	26.8				10.1	11.9	27.5				98%	101%	102%			
				10000000	10.3	11.7	29.9	172.6			10.1	13.0	28.2	189.8			98%	111%	94%	110%		
				100000000	10.3	12.0	28.0	186.9	4916.8		9.6	13.3	27.7	204.6	5164.3		93%	110%	99%	109%	105%	
sequential	i5	5	1	1000000	8.1	8.1	8.2	10.8	31.9	236.7	8.1	8.1	8.3	11.6	43.6	233.4	100%	100%	101%	107%	137%	99%
				10000000	8.0	8.0	8.3	10.6	31.9	238.0	8.2	8.1	8.3	10.7	31.5	235.1	102%	101%	101%	101%	99%	99%
				50000000	8.2	8.1	8.5	10.9	32.1	239.6	8.2	8.2	8.4	10.9	32.2	236.1	100%	101%	99%	100%	100%	99%
			10	1000000	8.1	8.1	8.4	10.8	43.7		8.1	8.2	8.4	10.9	44.5		100%	102%	100%	101%	102%	
				10000000	8.0	8.2	8.4	10.8	31.8	238.3	8.0	8.0	8.3	10.7	31.9	236.1	101%	98%	100%	99%	100%	99%
				50000000	8.1	8.1	8.4	10.9	31.8	245.9	8.2	8.3	8.9	10.9	32.2	237.2	101%	102%	106%	100%	101%	96%
		10	1	1000000	8.1	8.1	9.1	13.0	55.2		8.2	8.1	9.1	13.0	54.1		101%	99%	100%	100%	98%	
				10000000	8.0	8.1	9.0	13.0	55.3	468.3	8.2	8.2	8.8	13.0	55.9	460.9	102%	100%	98%	100%	101%	98%
				50000000	8.1	9.1	8.7	13.1	55.1	470.3	8.2	9.2	8.9	13.3	55.7	463.8	101%	101%	102%	101%	101%	99%
			10	1000000	8.1	8.2	8.9	12.9			8.1	8.3	9.4	12.9			100%	101%	106%	100%		
				10000000	8.1	8.1	8.8	13.3	55.0		8.1	8.1	8.8	13.2	54.7		101%	101%	101%	100%	100%	
				50000000	8.2	9.2	9.0	13.2	55.6	469.8	8.3	9.2	9.0	13.5	54.5	464.8	102%	101%	100%	102%	98%	99%
		100	1	1000000	8.3	9.0	13.0	55.5			8.6	9.2	13.2	54.7			103%	101%	101%	99%		
				10000000	9.5	9.1	13.6	55.5	470.5		9.5	9.1	13.3	54.8	464.6		100%	100%	98%	99%	99%	
				50000000	9.8	9.1	13.6	55.6	471.5	8922.2	9.5	9.2	13.5	55.2	464.2	8902.1	96%	101%	99%	99%	98%	100%
			10	1000000	8.3	9.2	13.7				8.3	9.4	13.6				100%	102%	100%			
				10000000	9.5	9.1	14.1	55.7			9.5	9.2	13.7	55.0			100%	101%	98%	99%		
				50000000	9.7	9.4	14.1	55.8	471.3		10.0	9.5	13.7	55.4	465.3		103%	101%	97%	99%	99%	
	xeon	5	1	1000000	9.7	10.1	10.6	12.8	39.0	352.2	9.9	10.5	10.2	12.9	37.9	289.9	102%	104%	97%	101%	97%	82%
				10000000	9.7	9.9	10.5	13.0	37.7	271.4	9.8	9.8	10.6	12.4	38.5	284.4	101%	98%	101%	95%	102%	105%
				100000000	10.5	10.7	9.6	12.9	39.8	390.6	9.6	10.2	10.5	12.1	38.3	368.7	91%	96%	109%	94%	96%	94%
			10	1000000	10.1	9.9	10.4	13.0	37.8		10.3	10.7	10.1	13.1	38.2		102%	109%	97%	101%	101%	
				10000000	10.0	9.5	10.1	12.6	37.0	272.9	10.4	10.3	10.7	12.1	38.9	276.8	103%	108%	106%	96%	105%	101%
				100000000	10.7	9.6	10.6	13.2	40.0	332.7	9.1	9.4	10.5	12.6	38.5	363.4	85%	98%	100%	96%	96%	109%
		10	1	1000000	10.7	9.6	10.4	16.1	65.8		9.9	9.7	10.2	15.4	65.0		92%	101%	98%	96%	99%	
				10000000	10.1	10.5	10.5	15.8	65.6	700.9	10.3	9.2	10.7	15.8	65.8	676.5	103%	88%	102%	100%	100%	97%
				100000000	10.7	9.8	11.1	16.2	66.5	705.2	10.8	10.7	10.6	15.5	67.0	717.3	101%	109%	95%	96%	101%	102%
			10	1000000	9.7	10.5	11.5	15.8			10.5	10.3	10.8	15.7			109%	98%	93%	99%		
				10000000	10.2	10.0	10.4	15.8	63.4		9.5	9.8	11.3	15.7	66.3		92%	98%	108%	100%	105%	
				100000000	10.6	10.9	11.1	15.7	65.4	585.5	9.8	10.8	10.7	15.2	64.1	679.9	93%	99%	96%	97%	98%	116%
		100	1	1000000	9.7	11.3	15.9	65.8			10.4	11.3	16.2	66.2			107%	100%	102%	101%		
				10000000	10.5	10.3	15.9	66.3	797.2		11.0	10.9	15.9	67.4	705.2		104%	106%	100%	102%	88%	
				100000000	11.0	10.1	16.7	66.6	568.9	9767.3	9.5	10.4	16.4	66.5	701.4	9994.7	86%	103%	98%	100%	123%	102%
			10	1000000	11.1	12.3	16.0				10.6	10.9	15.9				95%	89%	99%			
				10000000	10.6	10.5	17.4	67.5			10.9	10.8	17.0	66.9			104%	102%	98%	99%		
				100000000	10.9	10.9	16.8	67.6	567.1		9.8	10.7	16.4	67.2	574.5		90%	98%	98%	99%	101%	
32 cycle	i5	5	1	1000000	8.0	8.1	8.5	12.9	58.5	280.5	8.2	8.1	8.4	13.1	45.6	277.9	102%	99%	99%	102%	78%	99%
				10000000	8.0	8.0	8.6	12.1	45.5	406.2	8.1	8.2	8.6	12.2	45.0	404.3	102%	102%	100%	100%	99%	100%
				50000000	8.1	8.2	8.7	12.2	45.9	402.9	8.1	8.1	8.6	12.5	45.4	399.9	99%	99%	99%	102%	99%	99%
			10	1000000	8.1	8.1	8.6	14.9	66.5		8.1	8.2	8.7	14.8	66.2		101%	101%	102%	99%	99%	
				10000000	8.1	8.2	8.7	14.2	66.7	1480.0	8.1	8.1	8.8	14.8	65.9	1498.9	101%	99%	101%	104%	99%	101%
				50000000	8.0	8.3	9.1	14.2	67.2	1494.5	8.0	8.2	9.0	14.0	66.0	1511.9	100%	99%	99%	99%	98%	101%
		10	1	1000000	8.1	8.3	9.1	14.5	70.2		8.1	8.2	9.1	14.5	71.8		100%	99%	100%	100%	102%	
				10000000	8.0	8.2	8.9	14.7	71.3	1194.7	8.1	8.2	8.9	14.7	72.4	1200.3	101%	100%	100%	101%	102%	100%
				50000000	8.2	9.4	9.0	14.8	71.5	1209.7	8.1	9.1	9.0	14.7	72.2	1221.4	99%	97%	100%	100%	101%	101%

					master						patched						%					
			10	1000000	8.1	8.2	9.6	18.9			8.1	8.2	9.6	20.8			101%	100%	99%	110%		
				10000000	8.1	8.1	9.3	19.0	114.8		8.1	8.3	9.4	19.2	114.9		100%	102%	102%	101%	100%	
				50000000	8.1	9.1	9.4	19.3	116.8	2591.3	8.1	9.4	9.5	19.4	114.2	2591.0	100%	103%	100%	100%	98%	100%
		100	1	1000000	8.3	9.0	13.6	60.2			8.5	9.2	13.8	57.9			102%	102%	102%	96%		
				10000000	9.4	9.0	13.7	58.7	511.8		9.4	9.0	13.7	58.1	500.8		100%	101%	100%	99%	98%	
				50000000	9.2	9.2	13.6	58.6	512.6	10575.4	9.4	9.4	13.9	58.2	506.9	10334.6	102%	102%	102%	99%	99%	98%
			10	1000000	8.4	9.6	18.5				8.4	9.8	18.8				100%	102%	102%			
				10000000	9.4	9.6	19.1	109.7			9.9	9.8	18.6	109.0			105%	102%	97%	99%		
				50000000	9.4	10.0	19.4	109.4	2372.2		9.5	9.9	19.1	108.8	2345.8		101%	98%	98%	99%	99%	
	xeon	5	1	1000000	10.2	10.5	9.8	13.5	53.5	337.1	10.6	9.7	10.2	13.3	51.4	336.0	104%	92%	104%	99%	96%	100%
				10000000	9.7	10.4	10.4	13.7	51.9	480.5	10.7	10.3	10.7	14.3	54.0	568.3	111%	98%	103%	105%	104%	118%
				100000000	10.3	10.5	10.4	15.1	53.3	539.2	9.9	10.1	10.9	13.9	53.6	468.2	96%	96%	106%	92%	101%	87%
			10	1000000	9.6	10.7	9.8	15.9	80.5		9.7	10.5	10.3	15.9	75.3		102%	98%	105%	100%	94%	
				10000000	9.4	9.8	10.3	16.5	81.8	1914.6	9.7	10.0	11.2	15.5	81.2	1849.7	103%	102%	109%	94%	99%	97%
				100000000	10.2	10.7	10.6	16.3	82.2	1863.0	9.7	10.5	11.4	15.7	81.0	1856.9	94%	98%	108%	97%	98%	100%
		10	1	1000000	10.5	10.5	10.3	16.9	81.5		9.8	10.1	10.4	16.9	81.2		93%	96%	101%	100%	100%	
				10000000	9.9	9.8	10.6	16.9	85.7	1498.7	9.7	9.9	11.1	17.8	82.1	1592.9	98%	101%	105%	105%	96%	106%
				100000000	9.9	11.1	10.0	17.7	86.3	1475.3	9.9	10.2	11.7	16.8	82.6	1647.2	99%	92%	118%	94%	96%	112%
			10	1000000	10.2	10.0	10.6	22.3			9.9	10.0	10.9	21.6			98%	101%	102%	97%		
				10000000	10.2	10.8	11.4	22.2	142.5		10.0	10.4	11.6	22.2	142.5		98%	97%	102%	100%	100%	
				100000000	10.8	10.3	10.6	22.5	140.9	3453.4	9.9	10.3	10.3	22.2	131.2	3259.3	92%	100%	97%	99%	93%	94%
		100	1	1000000	10.6	10.4	16.2	70.2			10.3	10.9	16.1	69.2			97%	105%	99%	99%		
				10000000	10.1	11.2	16.7	70.9	629.3		10.3	10.7	17.0	70.4	615.0		102%	95%	102%	99%	98%	
				100000000	11.3	10.3	16.7	83.3	629.0	10685.3	10.4	11.5	16.7	71.0	689.6	10780.2	92%	111%	100%	85%	110%	101%
			10	1000000	10.3	11.0	21.4				10.5	10.9	21.6				102%	99%	101%			
				10000000	10.0	11.0	21.3	135.8			10.3	11.3	22.0	136.3			103%	102%	103%	100%		
				100000000	10.4	11.0	21.8	135.7	3170.4		11.0	11.9	22.0	135.8	3147.6		105%	109%	101%	100%	99%	
random	i5	5	1	1000000	8.1	8.1	9.0	16.5	70.1	284.1	8.1	8.3	8.9	17.2	69.6	281.3	99%	102%	99%	104%	99%	99%
				10000000	8.1	8.2	9.2	17.5	88.2	1581.2	8.2	8.2	8.9	16.7	88.9	1574.7	101%	100%	97%	96%	101%	100%
				50000000	8.1	8.2	9.6	16.7	91.3	2211.1	8.2	8.1	9.7	17.0	91.7	2208.6	101%	99%	101%	101%	100%	100%
			10	1000000	8.1	8.1	8.9	16.6	69.5		8.1	8.1	9.0	17.2	69.6		100%	100%	101%	103%	100%	
				10000000	7.9	8.0	9.0	17.1	88.6	1580.4	8.0	8.1	9.3	16.6	89.4	1579.8	101%	101%	103%	97%	101%	100%
				50000000	8.2	8.2	9.8	16.7	91.3	2229.6	8.2	8.3	9.5	16.9	91.7	2204.0	100%	102%	97%	101%	100%	99%
		10	1	1000000	8.1	8.1	10.2	23.9	105.3		8.1	8.4	10.4	23.8	104.7		100%	104%	102%	99%	99%	
				10000000	8.0	8.1	10.1	24.8	166.9	2205.6	8.1	8.3	10.0	25.0	168.4	2207.8	102%	102%	99%	101%	101%	100%
				50000000	8.2	8.5	10.3	25.3	177.8	5980.7	8.1	8.7	10.1	25.3	177.1	5954.6	99%	102%	98%	100%	100%	100%
			10	1000000	8.1	8.6	10.5	23.8			8.1	8.2	10.2	24.2			100%	95%	98%	102%		
				10000000	8.2	8.3	9.9	24.7	167.1		8.2	9.1	10.0	24.8	168.5		101%	110%	101%	100%	101%	
				50000000	8.2	8.4	10.2	25.1	177.6	7782.9	8.5	8.5	10.1	25.1	176.9	7879.0	103%	101%	99%	100%	100%	101%
		100	1	1000000	8.8	10.4	23.9	105.9			8.9	10.5	24.2	105.1			102%	101%	101%	99%		
				10000000	8.6	10.1	25.5	168.5	2207.6		8.5	10.1	25.1	167.9	2221.9		99%	100%	99%	100%	101%	
				50000000	8.8	10.4	25.6	179.2	4968.8	38109.7	9.0	10.5	25.5	177.2	5678.5	38951.2	102%	100%	99%	99%	114%	102%
			10	1000000	8.8	10.4	24.5				8.4	10.4	24.0				95%	100%	98%			
				10000000	8.4	10.4	25.3	167.9			8.3	10.3	25.0	168.8			99%	99%	99%	101%		
				50000000	8.7	10.2	25.9	178.4	5002.6		8.7	10.4	25.7	176.0	8306.7		100%	101%	99%	99%	166%	
	xeon	5	1	1000000	9.8	10.1	11.5	19.2	84.5	343.0	9.8	9.6	10.9	18.2	85.1	330.7	101%	95%	93%	95%	101%	96%
				10000000	10.2	10.1	10.9	18.7	106.0	1977.5	9.7	10.2	10.8	18.6	105.1	2019.5	95%	100%	100%	99%	99%	102%
				100000000	9.6	11.0	10.8	18.9	110.2	2965.0	10.1	10.0	11.3	18.5	108.4	2874.1	105%	91%	105%	98%	98%	97%
			10	1000000	9.8	9.6	11.8	18.7	85.2		9.9	9.7	11.1	18.2	80.7		102%	101%	94%	97%	95%	
				10000000	9.6	10.2	11.3	18.7	107.4	1991.2	9.9	9.6	10.6	19.5	105.9	2043.6	103%	95%	94%	104%	99%	103%
				100000000	10.3	9.3	11.2	19.8	111.0	2996.5	10.0	10.4	10.6	18.8	110.6	2957.1	97%	113%	94%	95%	100%	99%
		10	1	1000000	9.6	9.7	12.8	27.0	128.0		9.8	10.7	12.6	26.3	128.8		102%	110%	98%	97%	101%	
				10000000	9.4	10.3	13.0	27.5	188.0	2885.1	10.1	9.9	12.5	27.6	185.2	2956.2	107%	96%	96%	100%	99%	102%
				100000000	10.7	9.2	13.0	27.9	218.6	5355.2	10.1	10.6	11.8	28.2	218.2	5393.2	95%	115%	91%	101%	100%	101%
			10	1000000	10.2	10.4	12.9	26.9			10.0	10.0	12.8	26.3			98%	96%	99%	98%		
				10000000	9.5	10.8	12.4	27.8	186.8		10.1	10.4	11.6	27.8	187.2		105%	97%	94%	100%	100%	
				100000000	10.4	9.6	11.8	27.7	227.2	5321.6	10.5	10.5	11.9	27.8	215.3	5430.9	101%	109%	101%	100%	95%	102%
		100	1	1000000	10.8	12.4	27.2	128.7			10.1	11.8	27.1	128.7			94%	95%	100%	100%		
				10000000	9.9	11.7	28.1	202.9	2948.3		9.5	12.9	27.7	200.9	2816.6		96%	111%	99%	99%	96%	
				100000000	10.0	11.7	28.3	200.5	5492.4	34792.2	10.5	12.7	28.2	217.8	5622.4	35776.7	105%	109%	100%	109%	102%	103%

scan	index	cycle	cpu	c1	c2	rows	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	%1	%2	%3	%4	%5	%6
					10	1000000	10.4	11.8	27.4				9.8	12.1	27.4				95%	102%	100%			
						10000000	10.4	12.1	28.1	189.5			10.4	11.4	28.3	205.1			100%	94%	101%	108%		
						100000000	10.7	12.0	28.8	201.5	5477.8		9.8	11.4	28.5	224.8	5497.0		92%	96%	99%	112%	100%	
	sequential		i5	5	1	1000000	8.0	8.0	8.3	10.8	45.1	240.4	8.1	8.2	8.4	10.8	32.0	237.5	101%	102%	101%	100%	71%	99%
						10000000	8.1	8.1	8.3	10.8	32.2	242.3	8.1	8.2	8.3	10.8	33.0	238.9	100%	101%	100%	100%	103%	99%
						50000000	8.2	8.2	8.6	10.9	32.6	242.9	8.1	8.2	8.5	10.8	32.4	240.6	100%	101%	98%	99%	99%	99%
					10	1000000	7.9	8.1	8.3	11.4	32.7		8.1	8.0	8.3	11.6	31.7		102%	98%	100%	101%	97%	
						10000000	8.1	8.1	8.3	12.2	32.2	242.9	8.0	8.1	8.3	11.5	31.9	239.3	98%	100%	100%	94%	99%	99%
						50000000	8.2	8.0	8.7	10.8	32.4	243.1	8.2	8.2	8.4	10.8	32.1	240.6	100%	102%	96%	101%	99%	99%
				10	1	1000000	8.0	8.3	8.8	13.0	55.6		8.1	8.2	9.0	15.5	55.2		101%	98%	102%	119%	99%	
						10000000	8.0	8.1	8.8	13.2	55.9	476.2	8.2	8.1	8.8	13.3	55.7	470.6	102%	101%	99%	101%	100%	99%
						50000000	8.1	9.0	8.7	13.2	56.2	477.7	8.3	9.1	8.7	13.5	55.5	483.9	102%	101%	100%	102%	99%	101%
					10	1000000	8.0	8.1	8.8	13.0			8.0	8.2	9.0	12.9			100%	102%	102%	99%		
						10000000	8.2	8.2	8.8	13.0	56.0		8.1	8.2	8.8	13.2	55.8		99%	100%	100%	102%	100%	
						50000000	8.2	9.1	8.8	13.3	56.3	487.9	8.1	9.4	8.9	13.4	55.6	471.9	100%	103%	100%	101%	99%	97%
				100	1	1000000	8.2	10.8	13.2	56.0			8.3	10.2	13.2	57.0			101%	95%	100%	102%		
						10000000	9.2	8.9	13.5	56.4	479.1		9.6	9.0	13.6	56.8	472.3		104%	101%	101%	101%	99%	
						50000000	9.7	9.2	13.5	56.5	491.4	9215.6	9.8	9.4	13.6	57.0	472.6	6530.6	101%	101%	101%	101%	96%	71%
					10	1000000	8.4	10.3	13.6				8.3	9.2	13.5				99%	89%	99%			
						10000000	9.7	9.1	13.8	56.6			9.5	9.2	13.8	55.9			98%	100%	100%	99%		
						50000000	9.5	9.5	13.7	56.7	478.7		9.7	9.6	13.7	56.3	488.4		102%	101%	101%	99%	102%	
			xeon	5	1	1000000	9.6	10.0	10.4	12.8	38.9	294.7	9.9	10.3	10.7	12.6	38.7	288.6	104%	103%	103%	98%	100%	98%
						10000000	10.1	10.3	10.4	12.9	37.6	278.3	10.2	9.9	10.6	12.1	37.5	278.3	101%	96%	102%	94%	100%	100%
						100000000	10.8	9.7	9.8	13.5	38.7	303.0	9.8	10.3	10.3	12.7	38.8	286.7	91%	107%	105%	93%	100%	95%
					10	1000000	9.7	10.1	10.4	12.5	37.0		10.5	10.0	10.0	12.8	37.8		108%	99%	96%	103%	102%	
						10000000	10.4	9.8	9.9	12.8	39.1	342.8	10.1	10.0	10.6	11.9	38.5	341.6	97%	102%	107%	93%	99%	100%
						100000000	10.9	9.3	11.0	13.5	39.2	322.9	10.0	10.5	10.1	12.2	39.4	344.4	92%	112%	92%	91%	100%	107%
				10	1	1000000	9.8	10.5	10.3	15.8	65.9		9.9	10.7	11.1	18.0	63.3		101%	102%	108%	114%	96%	
						10000000	10.5	10.2	10.7	16.0	66.0	555.3	9.6	9.8	11.2	15.6	71.4	717.6	92%	96%	104%	98%	108%	129%
						100000000	10.2	10.7	10.5	16.0	67.1	580.3	9.7	10.5	10.3	15.4	66.3	646.9	94%	98%	98%	96%	99%	111%
					10	1000000	9.9	10.4	10.0	16.1			10.4	10.8	10.9	15.8			105%	103%	109%	98%		
						10000000	10.5	10.0	11.3	15.8	64.5		9.7	10.3	11.1	15.9	67.0		93%	103%	98%	100%	104%	
						100000000	10.7	10.5	11.2	16.8	67.1	600.7	9.3	10.4	10.3	15.3	64.0	653.5	87%	98%	92%	91%	95%	109%
				100	1	1000000	9.8	11.3	16.0	66.6			10.6	11.0	15.7	67.8			109%	97%	98%	102%		
						10000000	10.6	10.3	16.0	67.2	802.6		10.6	10.6	16.1	67.0	780.2		101%	103%	101%	100%	97%	
						100000000	10.7	10.1	16.7	67.3	592.7	9889.6	9.5	10.2	16.1	66.9	638.3	10100.7	88%	100%	96%	99%	108%	102%
					10	1000000	9.8	11.3	16.3				10.3	10.9	15.9				105%	97%	97%			
						10000000	9.7	10.4	16.3	68.7			10.8	10.5	16.7	67.7			111%	100%	103%	98%		
						100000000	10.2	11.0	16.6	67.6	750.7		10.4	10.2	15.6	68.7	689.9		102%	93%	94%	102%	92%	
indexscan	btree-saop	0 cycle	i5	5	1	1000000	8.1	8.1	8.5	13.2	51.7	331.9	8.2	8.1	8.6	13.2	50.8	326.7	101%	101%	101%	100%	98%	98%
						10000000	8.0	8.1	8.6	12.4	52.0	465.6	8.1	8.1	8.7	12.7	51.9	453.0	102%	100%	101%	102%	100%	97%
						50000000	8.0	8.2	8.8	12.5	52.6	465.8	8.1	8.2	8.9	12.8	51.6	454.0	100%	100%	101%	103%	98%	97%
					10	1000000	8.1	8.1	8.7	14.5	58.7		8.1	8.2	8.7	15.3	57.8		99%	101%	100%	106%	99%	
						10000000	8.0	8.1	8.6	13.6	59.0	1418.7	8.2	8.0	8.7	13.9	59.1	1387.2	103%	98%	101%	102%	100%	98%
						50000000	8.1	8.2	8.9	13.6	58.9	1431.5	8.2	8.3	9.0	13.7	59.0	1412.3	101%	101%	101%	100%	100%	99%
				10	1	1000000	7.9	8.1	9.2	16.5	90.4		8.1	8.1	9.3	16.1	89.5		102%	100%	101%	97%	99%	
						10000000	8.1	8.2	9.1	16.4	92.2	1021.9	8.0	8.2	9.2	16.0	90.4	999.0	100%	100%	101%	98%	98%	98%
						50000000	8.1	9.1	9.2	16.2	92.3	1025.5	8.3	9.3	9.1	16.1	89.7	1004.0	102%	102%	99%	99%	97%	98%
					10	1000000	8.0	8.2	9.4	18.1			8.1	8.2	9.4	18.4			102%	99%	101%	102%		
						10000000	8.1	8.2	9.3	18.3	106.1		8.1	8.2	9.4	18.1	104.6		101%	100%	101%	99%	99%	
						50000000	8.2	9.3	9.5	18.4	106.4	52707.5	8.2	9.1	9.5	18.4	105.1	53296.4	100%	99%	100%	100%	99%	101%
				100	1	1000000	8.2	9.2	15.3	78.9			8.4	9.1	15.7	78.3			102%	99%	103%	99%		
						10000000	9.4	9.1	17.1	79.4	785.4		9.2	9.3	15.8	78.6	791.7		97%	102%	93%	99%	101%	
						50000000	9.4	9.5	15.9	79.3	789.7	66845.2	9.6	9.6	15.8	78.3	778.5	66854.8	102%	101%	99%	99%	99%	100%
					10	1000000	8.2	9.7	17.8				8.3	9.8	17.4				101%	102%	98%			
						10000000	9.3	9.5	17.9	97.5			9.4	9.7	18.2	97.6			101%	102%	101%	100%		
						50000000	9.7	10.0	18.2	97.5	13381.2		9.6	9.9	18.1	95.8	13106.7		99%	99%	99%	98%	98%	
			xeon	5	1	1000000	9.9	10.2	10.5	14.3	57.4	414.5	10.2	10.0	9.9	14.3	56.6	417.9	103%	98%	94%	100%	99%	101%
						10000000	9.5	10.0	10.6	13.7	58.0	602.4	9.9	9.6	10.4	14.5	58.5	625.6	105%	96%	97%	106%	101%	104%
						100000000	9.4	10.1	11.0	14.2	58.0	575.7	9.2	9.9	11.4	14.7	58.4	646.9	98%	98%	103%	103%	101%	112%

type	cpu	a	b	size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	%1	%2	%3	%4	%5	%6
			10	1000000	9.7	9.6	10.6	16.5	67.4		10.2	9.2	10.9	15.0	66.4		105%	96%	102%	91%	99%	
				10000000	9.8	9.9	11.3	15.4	76.2	1883.2	9.7	10.5	11.4	15.3	74.1	1771.6	99%	106%	102%	99%	97%	94%
				100000000	10.0	10.7	10.9	16.1	75.6	1824.8	10.4	10.2	11.9	15.4	75.6	1808.4	105%	95%	110%	95%	100%	99%
		10	1	1000000	10.2	10.4	10.4	18.9	102.5		9.7	9.9	11.6	18.5	113.3		95%	95%	112%	98%	111%	
				10000000	9.6	9.9	10.7	18.5	101.5	1300.6	10.0	9.7	11.4	19.3	98.6	1335.1	105%	98%	107%	104%	97%	103%
				100000000	9.8	10.5	11.0	18.5	102.3	1472.4	9.7	10.5	11.9	20.4	103.0	1399.7	99%	100%	108%	110%	101%	95%
			10	1000000	10.5	10.2	10.6	20.9			9.8	9.5	10.9	21.8			94%	94%	102%	104%		
				10000000	9.9	10.8	11.5	20.9	121.6		9.9	10.3	12.4	22.4	124.6		100%	95%	108%	107%	103%	
				100000000	10.1	10.8	10.9	22.2	137.4	3397.9	10.7	9.8	10.4	21.1	132.7	3394.3	106%	91%	95%	95%	97%	100%
		100	1	1000000	10.7	10.5	18.0	92.4			10.4	10.4	18.5	92.8			97%	99%	103%	100%		
				10000000	10.4	10.8	18.7	91.4	930.9		10.2	11.3	17.8	92.0	894.0		98%	104%	95%	101%	96%	
				100000000	11.3	11.1	17.9	93.2	1028.9	16403.6	10.6	11.0	17.4	93.4	994.1	16215.9	94%	99%	98%	100%	97%	99%
			10	1000000	10.3	10.6	20.5				10.8	10.7	20.0				105%	101%	97%			
				10000000	10.2	11.5	20.6	115.8			10.2	11.5	20.4	119.8			100%	101%	99%	103%		
				100000000	10.2	10.6	20.2	116.0	3219.5		10.3	11.6	20.8	117.8	3221.3		101%	110%	103%	102%	100%	
random	i5	5	1	1000000	8.0	8.1	8.8	15.0	57.1	328.0	8.1	8.2	8.7	14.5	56.3	324.9	101%	102%	99%	97%	99%	99%
				10000000	8.1	8.2	8.7	15.0	65.8	1468.6	8.0	8.2	8.9	15.2	65.1	1470.2	99%	100%	102%	101%	99%	100%
				50000000	8.2	8.2	9.2	14.8	67.7	56972.7	8.2	8.4	9.6	15.1	65.4	58116.6	99%	102%	104%	102%	97%	102%
			10	1000000	8.0	8.1	8.8	14.3	57.2		8.0	8.2	8.9	15.0	56.5		99%	101%	101%	105%	99%	
				10000000	8.1	8.3	9.0	14.6	65.8	1470.5	8.0	8.2	8.9	14.9	65.5	1447.3	100%	98%	98%	102%	99%	98%
				50000000	8.0	8.2	9.4	14.8	66.8	57945.8	8.1	8.2	9.5	14.7	79.1	58162.8	101%	101%	101%	100%	118%	100%
		10	1	1000000	8.1	8.3	9.7	20.8	100.7		8.2	8.3	9.8	19.9	99.4		101%	101%	102%	96%	99%	
				10000000	8.2	8.4	9.5	20.7	122.0	2675.0	8.0	9.5	9.7	20.2	120.1	2655.7	98%	112%	102%	97%	98%	99%
				50000000	8.1	8.3	9.6	20.4	123.8	98521.0	8.2	8.4	9.7	20.6	121.8	98609.6	101%	101%	102%	101%	98%	100%
			10	1000000	8.1	8.2	9.6	19.8			8.0	8.4	9.8	19.7			99%	103%	102%	99%		
				10000000	8.1	9.6	9.5	21.0	121.0		8.2	8.3	9.5	20.3	119.8		101%	86%	100%	97%	99%	
				50000000	8.2	8.5	9.5	20.9	123.6	98663.6	8.2	8.6	9.8	20.7	122.1	100330.3	101%	101%	103%	99%	99%	102%
		100	1	1000000	8.8	9.9	20.8	104.6			8.9	10.1	20.1	103.6			101%	102%	97%	99%		
				10000000	8.8	9.7	21.1	122.2	2844.1		8.7	9.7	20.9	120.7	2825.6		99%	100%	99%	99%	99%	
				50000000	8.6	9.8	21.3	123.8	102688.4	1087237.	8.8	9.9	21.5	123.9	103302.1	1099432.	102%	101%	101%	100%	101%	101%
			10	1000000	8.9	10.0	20.5				8.8	9.9	20.3				99%	99%	99%			
				10000000	9.7	9.9	21.0	122.7			8.6	9.9	22.2	120.4			88%	100%	106%	98%		
				50000000	9.0	9.9	21.4	125.7	103374.8		8.8	9.8	21.7	122.9	103715.9		98%	99%	101%	98%	100%	
	xeon	5	1	1000000	9.7	9.9	10.7	18.9	65.4	407.7	10.0	10.2	10.5	17.7	70.1	389.6	103%	103%	98%	94%	107%	96%
				10000000	9.7	10.1	10.5	16.7	80.3	2037.1	10.4	9.7	10.6	17.5	81.0	2005.3	108%	96%	101%	104%	101%	98%
				100000000	9.3	9.8	11.7	17.2	87.0	2445.1	10.4	10.0	11.7	17.6	86.6	2361.5	112%	101%	100%	103%	100%	97%
			10	1000000	9.7	10.2	11.7	18.2	68.8		9.7	9.7	10.6	17.5	68.9		101%	95%	91%	97%	100%	
				10000000	9.6	10.1	11.5	17.8	83.4	1938.6	9.8	10.1	10.1	17.6	83.0	1980.9	102%	100%	88%	99%	99%	102%
				100000000	9.9	10.2	10.4	18.1	86.0	2421.0	9.7	10.2	10.3	17.8	83.5	2380.9	98%	100%	99%	99%	97%	98%
		10	1	1000000	9.6	9.6	12.5	23.0	112.7		9.9	10.1	12.7	23.5	113.0		104%	105%	102%	103%	100%	
				10000000	10.0	9.9	12.6	23.4	153.1	3570.5	9.9	9.8	11.2	24.5	142.7	3634.7	99%	99%	89%	105%	93%	102%
				100000000	10.0	10.1	12.6	24.3	158.0	4726.0	10.3	10.2	11.3	24.1	156.4	4660.3	103%	101%	89%	100%	99%	99%
			10	1000000	9.9	10.8	13.0	23.1			9.7	10.5	11.2	23.5			98%	97%	86%	102%		
				10000000	9.9	10.9	12.5	24.3	140.4		10.5	10.2	12.1	23.9	150.7		106%	94%	97%	98%	107%	
				100000000	10.4	10.1	11.4	23.8	156.6	4668.9	10.0	10.7	11.2	23.8	157.2	4578.1	96%	106%	98%	100%	100%	98%
		100	1	1000000	10.3	12.0	22.8	119.5			10.1	12.1	23.4	118.5			98%	100%	103%	99%		
				10000000	9.6	12.4	23.8	141.8	3732.2		9.8	13.1	24.2	140.8	3792.0		102%	106%	102%	99%	102%	
				100000000	10.9	12.2	24.1	158.9	4842.6	45330.8	10.5	13.1	26.1	155.9	4811.2	43822.2	96%	108%	108%	98%	99%	97%
			10	1000000	10.5	11.3	23.4				10.1	11.4	23.1				97%	101%	99%			
				10000000	10.4	11.5	25.0	140.5			10.1	13.0	24.3	147.9			97%	113%	97%	105%		
				100000000	10.4	11.7	24.0	145.9	4785.5		9.5	12.6	23.6	163.6	4734.8		92%	108%	98%	112%	99%	
sequential	i5	5	1	1000000	8.1	8.1	8.3	13.0	32.1	237.1	8.1	8.1	8.3	11.6	31.8	237.3	100%	100%	101%	89%	99%	100%
				10000000	8.0	8.0	8.3	11.9	32.0	239.5	8.0	8.2	8.2	11.6	32.0	238.5	100%	102%	99%	98%	100%	100%
				50000000	8.2	8.1	8.6	10.9	32.6	242.0	8.1	8.2	8.7	11.3	32.9	240.6	98%	101%	101%	104%	101%	99%
			10	1000000	8.0	8.1	8.4	11.4	31.5		8.0	8.0	8.4	11.4	32.5		100%	99%	100%	100%	103%	
				10000000	8.1	8.1	8.4	11.0	31.9	240.4	8.0	8.0	8.4	10.8	32.1	238.2	100%	99%	100%	98%	100%	99%
				50000000	8.1	8.1	8.5	10.7	32.6	241.5	8.2	8.1	8.5	10.8	32.1	241.5	101%	100%	100%	101%	99%	100%
		10	1	1000000	8.1	8.2	8.5	13.2	55.5		8.1	8.1	8.8	14.7	56.2		99%	99%	100%	111%	101%	
				10000000	8.0	8.2	8.8	13.2	55.4	469.3	8.0	8.2	9.0	13.3	55.2	467.9	101%	100%	102%	101%	100%	100%
				50000000	8.2	9.3	8.9	13.6	55.6	472.0	8.2	9.2	9.0	13.3	55.6	469.9	100%	99%	101%	98%	100%	100%

					Size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	R1	R2	R3	R4	R5	R6
				10	1000000	8.0	8.2	8.9	13.2			8.1	8.1	9.1	13.2			100%	100%	102%	99%		
					10000000	8.0	8.1	8.7	13.1	55.6		8.0	8.1	8.9	13.2	55.6		100%	100%	102%	100%	100%	
					50000000	8.1	9.3	8.8	13.4	55.8	470.0	8.1	9.3	8.7	13.2	55.6	470.4	99%	100%	99%	98%	100%	100%
			100	1	1000000	8.3	9.3	13.7	55.9			8.4	9.4	13.5	57.0			102%	102%	99%	102%		
					10000000	9.5	9.1	13.6	56.1	471.7		9.4	9.0	13.6	55.6	469.1		99%	99%	100%	99%	99%	
					50000000	9.6	9.7	13.8	56.2	483.1	8899.5	9.5	9.5	13.7	55.9	483.4	9013.9	100%	98%	100%	100%	100%	101%
				10	1000000	8.4	11.6	13.6				8.4	9.5	13.7				100%	82%	101%			
					10000000	9.4	9.2	14.0	55.9			9.5	9.3	13.8	55.9			101%	101%	99%	100%		
					50000000	9.7	9.4	13.8	56.2	473.0		9.8	9.5	14.0	56.1	468.6		100%	101%	101%	100%	99%	
		xeon	5	1	1000000	9.5	9.7	10.7	12.6	40.0	340.7	10.0	10.7	11.0	12.9	38.4	293.8	105%	110%	102%	103%	96%	86%
					10000000	9.7	10.0	10.2	12.9	37.9	288.0	9.7	9.5	10.8	12.4	39.9	390.4	100%	95%	105%	97%	105%	136%
					100000000	10.4	10.8	9.7	12.7	40.0	401.5	9.8	10.3	10.1	12.4	39.6	367.0	95%	96%	104%	97%	99%	91%
				10	1000000	9.7	10.2	10.7	12.7	38.5		9.7	10.7	10.1	13.7	39.7		100%	106%	94%	108%	103%	
					10000000	10.1	9.3	10.4	12.8	39.7	279.3	10.4	9.5	11.1	12.5	39.2	287.5	103%	102%	106%	98%	99%	103%
					100000000	10.1	9.9	10.1	13.0	39.9	347.8	9.4	9.4	10.3	12.9	39.9	387.1	92%	95%	102%	99%	100%	111%
			10	1	1000000	10.3	10.0	10.4	15.5	67.0		9.8	9.7	10.6	16.6	64.8		95%	97%	102%	107%	97%	
					10000000	10.4	9.9	10.2	16.3	68.5	608.1	10.2	9.2	10.5	15.7	68.9	615.7	98%	93%	103%	96%	101%	101%
					100000000	10.5	9.8	11.1	16.4	67.8	637.4	10.8	10.4	10.4	15.8	68.2	793.0	103%	106%	93%	96%	101%	124%
				10	1000000	9.8	10.2	10.7	15.7			10.3	10.5	11.0	16.6			105%	103%	102%	106%		
					10000000	10.1	10.2	11.6	15.9	65.4		9.7	9.8	11.0	15.6	67.8		96%	96%	96%	98%	104%	
					100000000	10.6	10.6	11.1	16.9	67.0	576.0	9.6	10.4	10.5	15.8	64.2	624.1	91%	97%	95%	94%	96%	108%
			100	1	1000000	9.8	11.3	15.6	67.8			11.2	11.4	16.4	68.3			115%	101%	105%	101%		
					10000000	10.6	10.1	16.9	68.1	748.1		10.6	10.7	16.3	68.4	738.8		100%	106%	97%	100%	99%	
					100000000	10.9	10.0	16.0	68.6	818.0	9768.0	9.4	10.6	16.1	67.5	764.7	10031.8	86%	107%	101%	98%	93%	103%
				10	1000000	10.8	11.6	16.2				10.6	10.7	16.2				98%	92%	100%			
					10000000	10.4	10.5	16.4	68.2			10.6	10.7	16.4	68.5			102%	102%	100%	100%		
					100000000	10.6	11.1	16.3	68.4	583.3		9.8	10.7	16.2	68.5	577.9		92%	96%	99%	100%	99%	
32	cycle	i5	5	1	1000000	8.0	8.1	8.5	13.4	52.4	331.6	7.9	8.1	8.4	12.8	56.8	347.1	99%	101%	99%	96%	108%	105%
					10000000	7.9	8.0	8.5	12.6	52.7	460.8	8.2	8.1	8.5	12.8	54.5	487.4	103%	101%	101%	102%	103%	106%
					50000000	8.2	8.2	8.7	13.0	52.3	464.7	8.0	8.2	8.8	12.9	55.0	491.3	98%	100%	101%	100%	105%	106%
				10	1000000	8.0	8.1	8.6	14.9	58.5		8.2	8.2	8.6	14.2	73.7		102%	101%	100%	95%	126%	
					10000000	8.0	8.1	8.7	14.1	59.0	1412.3	8.1	8.2	8.7	14.2	62.8	1527.2	101%	101%	100%	100%	107%	108%
					50000000	8.2	8.3	9.0	13.7	58.8	1425.4	8.1	8.2	8.9	14.3	62.0	1563.7	100%	98%	99%	104%	105%	110%
			10	1	1000000	8.0	8.1	9.3	16.3	90.9		8.1	8.1	9.4	19.4	95.9		100%	100%	101%	119%	106%	
					10000000	7.9	8.1	9.1	16.2	91.1	1007.0	8.1	8.1	9.2	16.7	96.6	1089.3	103%	101%	101%	103%	106%	108%
					50000000	8.1	9.3	9.1	16.6	91.7	1018.6	8.2	9.3	9.3	17.2	96.9	1094.4	101%	100%	102%	104%	106%	107%
				10	1000000	8.0	8.2	9.5	18.2			7.9	8.2	10.7	20.0			99%	101%	113%	110%		
					10000000	8.1	8.1	9.3	18.0	105.5		8.1	8.3	9.4	18.8	113.4		100%	102%	102%	104%	107%	
					50000000	8.2	9.4	9.3	18.2	106.8	53326.5	8.1	9.4	9.5	19.2	113.7	2752.1	99%	100%	102%	106%	106%	5%
			100	1	1000000	8.3	9.5	15.7	78.8			8.3	9.3	15.9	86.1			101%	98%	102%	109%		
					10000000	9.4	9.2	16.7	79.7	792.9		9.5	9.3	16.2	85.2	848.8		100%	101%	97%	107%	107%	
					50000000	9.6	9.5	16.1	79.3	784.6	67404.9	9.4	9.6	16.7	86.3	855.8	15458.2	98%	101%	103%	109%	109%	23%
				10	1000000	8.4	9.9	17.9				8.6	10.1	18.3				103%	102%	102%			
					10000000	9.3	9.6	18.9	98.0			9.5	9.6	18.3	106.1			103%	100%	97%	108%		
					50000000	9.7	9.8	18.1	97.3	13404.6		9.6	10.3	19.0	105.1	2698.1		99%	105%	105%	108%	20%	
		xeon	5	1	1000000	10.6	10.2	10.2	14.3	57.0	406.9	10.0	9.7	9.9	13.8	60.7	436.6	95%	95%	97%	97%	106%	107%
					10000000	10.0	10.8	10.8	13.8	57.4	573.4	10.6	10.6	11.1	15.0	62.0	637.2	105%	98%	103%	109%	108%	111%
					100000000	9.6	10.7	10.5	14.9	58.6	555.6	10.2	10.4	11.0	14.1	62.0	636.2	106%	97%	105%	95%	106%	115%
				10	1000000	9.3	10.4	10.4	15.5	68.1		10.1	10.1	10.2	15.1	72.5		109%	97%	98%	98%	106%	
					10000000	10.0	9.6	10.3	16.1	74.8	1852.9	9.7	10.3	10.9	14.9	74.9	1923.8	97%	108%	106%	93%	100%	104%
					100000000	9.8	10.9	10.2	15.0	75.5	1799.5	9.3	10.5	11.2	14.9	73.6	1954.7	95%	96%	110%	99%	98%	109%
			10	1	1000000	10.0	10.7	10.4	18.2	101.4		10.2	9.9	10.5	18.7	108.7		102%	93%	101%	103%	107%	
					10000000	9.6	9.8	10.5	18.1	101.4	1230.5	10.1	9.9	11.7	19.3	109.1	1414.6	104%	101%	112%	107%	108%	115%
					100000000	10.1	10.8	10.1	19.1	117.2	1306.6	9.7	10.4	11.2	19.0	110.1	1487.0	96%	97%	110%	99%	94%	114%
				10	1000000	10.6	9.9	10.3	21.4			9.9	9.8	10.6	21.3			93%	99%	103%	100%		
					10000000	10.0	10.4	11.8	20.5	122.7		9.7	11.1	11.9	21.5	132.5		97%	106%	101%	105%	108%	
					100000000	10.8	10.0	10.8	21.7	137.4	3173.7	9.9	9.5	10.4	21.2	135.3	3513.8	92%	95%	96%	98%	98%	111%
			100	1	1000000	10.6	10.4	18.1	92.1			10.5	11.2	18.3	99.6			99%	108%	101%	108%		
					10000000	10.2	11.1	18.1	91.6	889.6		10.3	10.8	19.2	100.8	1011.4		101%	97%	106%	110%	114%	
					100000000	10.7	10.5	18.6	94.9	1050.8	16047.4	10.1	11.6	19.9	101.3	1145.1	17342.7	94%	111%	107%	107%	109%	108%

dist	cpu			size	master						patched						master vs. patched (%)					
			10	1000000	10.0	11.0	20.3				10.3	11.0	21.2				103%	99%	104%			
				10000000	10.0	10.8	20.6	119.1			9.9	11.1	21.4	131.9			99%	102%	104%	111%		
				100000000	9.9	10.8	20.5	119.4	3315.0		10.4	12.0	21.2	131.4	3434.6		105%	111%	103%	110%	104%	
random	i5	5	1	1000000	8.1	8.2	8.8	15.3	57.1	328.0	8.1	8.2	8.8	15.0	61.7	347.1	100%	100%	101%	98%	108%	106%
				10000000	8.0	8.1	8.9	14.6	66.0	1473.8	8.0	8.1	9.2	15.0	68.9	1636.0	100%	100%	103%	103%	104%	111%
				50000000	8.2	8.3	9.3	14.5	66.4	57755.9	8.0	8.1	9.4	15.2	70.3	2005.0	98%	98%	101%	105%	106%	3%
			10	1000000	8.0	8.1	8.8	15.8	60.2		8.1	8.1	8.9	16.6	61.8		101%	100%	101%	105%	103%	
				10000000	8.0	8.1	9.2	14.7	65.9	1467.4	8.1	8.2	9.0	15.1	67.8	1624.7	101%	101%	97%	103%	103%	111%
				50000000	8.1	8.3	9.2	14.7	66.8	57426.1	8.2	8.2	9.4	15.1	69.0	2006.3	101%	99%	102%	102%	103%	3%
		10	1	1000000	8.1	8.2	9.9	20.0	100.8		8.1	8.3	9.9	20.8	108.7		100%	102%	100%	104%	108%	
				10000000	8.1	9.7	9.5	20.3	120.9	2682.7	8.2	9.1	9.7	21.0	126.5	3052.9	101%	94%	102%	103%	105%	114%
				50000000	8.2	8.2	9.7	20.6	124.4	98411.1	8.2	8.7	9.8	21.6	128.7	3794.4	99%	106%	101%	105%	103%	4%
			10	1000000	8.0	8.5	9.6	20.1			8.1	8.2	9.8	20.7			100%	97%	102%	103%		
				10000000	8.0	9.2	9.5	20.4	121.3		8.1	9.0	9.7	21.0	126.8		101%	99%	102%	103%	104%	
				50000000	8.1	8.3	11.2	20.6	125.6	98796.0	8.1	8.4	9.7	21.2	128.4	3811.8	100%	101%	87%	103%	102%	4%
		100	1	1000000	8.5	9.9	20.6	104.2			8.8	10.1	20.9	112.7			104%	102%	102%	108%		
				10000000	8.4	9.8	21.6	122.1	2837.6		8.8	9.8	21.3	128.8	3159.4		105%	100%	99%	105%	111%	
				50000000	8.4	9.8	21.6	125.1	103223.5	1087786.	8.9	10.1	21.6	130.4	3944.6	107564.0	106%	103%	100%	104%	4%	10%
			10	1000000	8.4	10.0	20.5				8.5	11.2	20.9				101%	111%	102%			
				10000000	8.4	9.9	22.2	122.4			8.4	9.9	21.3	127.4			100%	101%	96%	104%		
				50000000	8.6	9.9	21.1	127.3	103677.7		9.0	10.2	22.4	129.7	3912.2		105%	103%	106%	102%	4%	
	xeon	5	1	1000000	9.8	10.4	11.5	18.1	70.4	379.0	9.9	10.3	10.5	16.7	72.4	407.4	101%	99%	92%	92%	103%	107%
				10000000	9.7	10.2	11.0	16.9	83.8	2015.8	9.5	9.8	10.5	17.1	84.4	2118.5	98%	96%	96%	101%	101%	105%
				100000000	9.3	10.4	10.3	16.6	86.2	2346.4	9.8	10.4	10.9	16.7	87.9	2710.9	105%	100%	107%	101%	102%	116%
			10	1000000	10.1	10.0	11.6	16.6	68.7		9.6	9.7	11.2	16.9	70.2		95%	97%	96%	102%	102%	
				10000000	9.6	9.8	11.7	17.0	80.9	2017.9	9.9	9.6	10.4	17.6	85.2	2175.3	103%	98%	89%	103%	105%	108%
				100000000	10.4	10.0	11.4	17.6	87.1	2350.2	9.2	10.6	10.3	16.8	88.4	2701.9	89%	106%	90%	95%	101%	115%
		10	1	1000000	9.7	9.7	12.5	23.3	116.2		9.5	10.2	12.1	23.2	126.5		98%	105%	97%	100%	109%	
				10000000	9.4	10.3	12.4	23.2	139.7	3571.7	9.9	9.6	11.9	24.0	148.1	4014.8	105%	94%	96%	103%	106%	112%
				100000000	10.3	9.6	12.9	24.0	157.6	4685.1	10.5	10.4	11.1	24.1	172.9	5097.9	102%	108%	86%	101%	110%	109%
			10	1000000	9.6	10.5	12.4	23.6			9.7	9.9	11.4	23.3			100%	94%	92%	99%		
				10000000	9.7	10.1	11.0	23.9	142.3		9.9	10.6	10.8	24.1	147.8		102%	106%	98%	101%	104%	
				100000000	10.2	9.4	11.3	23.9	158.2	4680.6	10.7	10.9	11.1	23.9	169.2	5075.6	105%	117%	97%	100%	107%	108%
		100	1	1000000	10.8	12.1	23.6	120.7			9.8	11.3	23.7	130.0			91%	93%	101%	108%		
				10000000	9.9	11.6	24.9	152.7	3943.7		9.7	12.2	24.2	163.1	4322.7		98%	105%	97%	107%	110%	
				100000000	10.0	11.3	24.6	148.0	4760.3	44945.5	10.1	12.0	24.2	177.7	5263.3	48488.8	101%	106%	99%	120%	111%	108%
			10	1000000	10.2	11.3	23.8				9.8	10.9	23.9				96%	96%	100%			
				10000000	10.4	11.3	24.7	140.1			10.1	10.8	23.6	153.8			97%	95%	96%	110%		
				100000000	11.0	11.7	24.8	146.2	4835.5		10.0	10.8	25.0	168.1	5433.8		91%	92%	101%	115%	112%	
sequential	i5	5	1	1000000	8.0	8.0	8.3	11.5	31.9	239.3	8.1	8.1	8.4	12.8	33.3	246.3	101%	101%	101%	111%	104%	103%
				10000000	8.0	8.1	8.5	10.6	32.5	240.8	8.1	8.1	8.3	10.9	32.9	250.4	102%	100%	97%	103%	101%	104%
				50000000	8.1	8.2	8.7	10.9	32.1	239.6	8.1	8.2	8.6	10.9	33.2	248.6	100%	100%	100%	101%	104%	104%
			10	1000000	8.0	8.1	8.3	10.8	44.7		8.0	8.0	8.4	11.0	33.7		100%	99%	102%	101%	75%	
				10000000	8.1	8.1	8.4	11.1	32.2	240.4	8.0	8.1	8.4	11.0	33.4	248.5	100%	99%	100%	99%	104%	103%
				50000000	8.1	8.2	9.0	10.8	32.5	245.6	8.2	8.1	8.6	11.1	33.2	251.5	101%	100%	96%	102%	102%	102%
		10	1	1000000	8.0	8.1	9.8	13.1	55.8		8.1	8.1	9.2	13.3	57.2		102%	100%	94%	101%	102%	
				10000000	8.0	8.1	8.8	13.3	55.4	469.8	8.1	8.1	8.9	13.5	57.4	485.4	101%	100%	101%	101%	104%	103%
				50000000	8.2	9.5	8.8	13.4	55.8	471.8	8.2	9.3	8.9	13.7	57.7	489.2	100%	98%	101%	102%	104%	104%
			10	1000000	8.1	8.1	9.0	13.7			8.0	8.1	8.9	13.5			100%	100%	99%	98%		
				10000000	8.0	8.1	8.8	13.0	55.5		8.1	8.1	9.0	13.5	58.8		102%	100%	102%	104%	106%	
				50000000	8.2	9.4	9.0	13.5	55.4	470.2	8.2	9.2	9.0	13.8	57.8	497.0	100%	98%	100%	103%	104%	106%
		100	1	1000000	8.2	9.0	13.6	55.7			8.4	9.2	13.9	57.6			102%	101%	102%	103%		
				10000000	9.5	9.1	13.6	56.1	471.6		9.5	9.0	14.1	57.6	488.3		101%	99%	103%	103%	104%	
				50000000	9.6	9.3	13.9	57.0	483.9	8874.7	9.8	9.2	14.4	58.1	488.0	9313.5	101%	99%	103%	102%	101%	105%
			10	1000000	8.3	9.1	13.5				8.5	9.3	13.8				102%	102%	102%			
				10000000	9.5	9.2	13.8	56.0			9.7	9.2	14.1	57.8			102%	100%	102%	103%		
				50000000	9.7	9.4	13.9	56.1	472.2		9.7	9.8	14.2	58.1	490.9		100%	104%	103%	103%	104%	
	xeon	5	1	1000000	9.8	9.9	10.5	12.7	38.5	304.0	9.9	10.7	10.4	13.2	40.2	332.7	100%	108%	99%	104%	104%	109%
				10000000	9.9	9.9	10.2	12.7	39.3	280.2	10.0	9.5	10.4	12.7	39.2	292.6	101%	96%	102%	100%	100%	104%
				100000000	10.5	9.5	9.3	13.6	39.4	288.2	9.4	10.0	10.2	12.4	40.4	358.4	89%	105%	110%	92%	102%	124%

scan	index	n	pattern	cpu	A	B	rows		master						patched						pivot %					
						10	1000000	9.9	9.8	10.8	12.8	39.0		10.2	9.6	10.3	12.7	40.1		102%	99%	96%	99%	103%	
							10000000	10.4	9.7	10.4	12.9	39.6	276.6	10.1	10.2	10.8	12.2	40.6	302.0	97%	104%	103%	94%	103%	109%
							100000000	10.8	9.4	10.7	13.9	40.1	381.4	10.1	10.1	10.3	12.2	40.9	403.8	93%	107%	96%	88%	102%	106%
					10	1	1000000	10.0	10.5	10.4	16.5	71.1		9.8	10.9	11.0	15.8	69.5		98%	104%	106%	96%	98%	
							10000000	9.8	10.1	10.0	16.0	64.2	713.5	9.6	9.7	10.6	16.1	69.0	671.0	97%	96%	106%	100%	108%	94%
							100000000	10.6	10.7	10.8	16.6	67.6	574.6	9.4	9.9	10.2	15.8	69.8	772.3	89%	93%	94%	95%	103%	134%
						10	1000000	9.9	10.6	10.1	16.1			10.6	10.5	10.8	15.7			107%	99%	107%	98%		
							10000000	10.3	10.1	10.8	16.5	67.7		9.5	10.3	11.2	16.0	70.5		92%	101%	103%	97%	104%	
							100000000	10.3	10.4	11.2	16.2	66.3	540.4	9.2	10.3	10.3	15.9	70.2	814.0	89%	99%	93%	98%	106%	151%
					100	1	1000000	9.8	11.4	16.4	68.2			10.7	10.9	16.4	70.1			110%	95%	100%	103%		
							10000000	10.9	10.1	16.9	65.8	688.0		10.7	10.1	16.3	71.0	747.7		98%	100%	96%	108%	109%	
							100000000	10.8	10.5	17.3	68.3	648.1	9785.8	9.3	10.1	16.2	69.9	671.0	10438.9	86%	96%	93%	102%	104%	107%
						10	1000000	9.6	11.5	16.4				10.6	10.8	16.2				111%	95%	99%			
							10000000	9.5	10.0	16.4	68.0			10.3	10.4	16.8	71.4			108%	104%	103%	105%		
							100000000	9.9	10.9	16.3	68.7	577.1		9.9	9.9	16.1	70.1	768.0		101%	92%	98%	102%	133%	
seqscan	btree-saop	0	cycle	i5	5	1	1000000	181.8	184.5	181.7	187.3	201.6	356.3	180.0	181.4	180.8	183.9	199.9	330.0	99%	98%	100%	98%	99%	93%
							10000000	1722.1	1720.7	1715.4	1722.5	1770.9	2025.8	1703.7	1703.0	1728.5	1723.9	1743.4	1916.2	99%	99%	101%	100%	98%	95%
							50000000	15702.8	15654.2	15687.9	15756.1	15757.8	15799.7	15663.1	15644.3	15629.1	15730.0	15787.0	15805.3	100%	100%	100%	100%	100%	100%
						10	1000000	180.3	180.2	181.3	184.6	203.6		179.9	179.9	179.8	184.2	215.4		100%	100%	99%	100%	106%	
							10000000	1716.4	1728.9	1714.8	1720.3	1747.0	1967.7	1706.9	1715.8	1730.4	1717.6	1751.0	1924.3	99%	99%	101%	100%	100%	98%
							50000000	15653.6	15572.4	15659.9	15669.2	15784.5	15816.7	15739.2	16884.1	15626.6	15634.6	15647.7	16090.0	101%	108%	100%	100%	99%	102%
					10	1	1000000	158.4	163.1	162.8	168.6	200.6		162.4	160.0	163.6	170.6	200.5		103%	98%	100%	101%	100%	
							10000000	1527.0	1527.2	1532.2	1522.9	1586.0	1886.7	1521.1	1518.1	1511.2	1528.5	1599.6	1890.9	100%	99%	99%	100%	101%	100%
							50000000	15542.5	15403.5	15461.8	15495.7	15571.8	15793.3	16097.8	15453.1	15450.5	15475.1	15589.4	16110.8	104%	100%	100%	100%	100%	102%
						10	1000000	165.3	162.4	168.4	169.5			162.2	162.9	163.2	167.3			98%	100%	97%	99%		
							10000000	1561.6	1536.0	1496.3	1563.0	1585.8		1537.4	1525.8	1567.4	1533.5	1601.9		98%	99%	105%	98%	101%	
							50000000	17155.9	15436.9	15398.5	15468.1	15491.8	15805.2	15411.1	15429.2	15443.7	15455.9	15577.5	16025.4	90%	100%	100%	100%	101%	101%
					100	1	1000000	166.3	175.0	181.1	205.8			173.5	167.2	178.9	209.1			104%	96%	99%	102%		
							10000000	1586.5	1603.3	1579.9	1629.8	2014.0		1611.3	1604.6	1618.1	1627.0	1959.1		102%	100%	102%	100%	97%	
							50000000	15598.1	15486.9	16103.0	16201.8	15870.3	18580.3	15538.0	15517.3	16171.7	15611.0	15866.6	18758.6	100%	100%	100%	96%	100%	101%
						10	1000000	169.4	175.2	174.2				165.2	170.6	177.1				98%	97%	102%			
							10000000	1598.6	1601.2	1710.4	1706.0			1565.4	1571.4	1576.4	1627.5			98%	98%	92%	95%		
							50000000	15425.4	15659.5	15570.2	16045.5	16366.7		15662.2	15503.6	15466.8	15668.2	15885.2		102%	99%	99%	98%	97%	
				xeon	5	1	1000000	194.8	195.7	197.4	199.0	225.3	461.5	196.0	196.0	195.1	202.2	228.9	454.2	101%	100%	99%	102%	102%	98%
							10000000	1839.2	1840.4	1846.1	1835.4	1868.3	2267.0	1834.7	1848.7	1842.9	1870.7	1931.7	2248.9	100%	100%	100%	102%	103%	99%
							100000000	19447.9	18433.9	18384.0	19295.5	18362.8	18856.8	18335.4	18416.6	18523.2	18517.1	18790.6	18763.5	94%	100%	101%	96%	102%	100%
						10	1000000	196.6	197.1	194.8	198.8	220.8		196.5	195.8	198.6	199.5	228.1		100%	99%	102%	100%	103%	
							10000000	1827.7	1839.9	1845.7	1830.7	1872.1	2123.0	1869.2	1856.0	1856.2	1857.4	1913.0	2135.1	102%	101%	101%	101%	102%	101%
							100000000	18291.7	18519.7	18434.1	18436.7	18700.9	18915.1	18572.4	18640.4	18754.9	18356.8	19048.2	19058.2	102%	101%	102%	100%	102%	101%
					10	1	1000000	186.3	188.7	184.1	190.8	241.0		186.0	189.1	188.5	197.6	232.6		100%	100%	102%	104%	97%	
							10000000	1745.5	1742.3	1721.5	1767.4	1823.0	2342.1	1749.0	1744.7	1772.3	1765.9	1837.1	2277.0	100%	100%	103%	100%	101%	97%
							100000000	17604.5	17501.2	17826.9	17550.1	17894.4	17917.8	17481.9	18168.2	17514.8	17490.2	17866.6	18327.6	99%	104%	98%	100%	100%	102%
						10	1000000	186.3	188.6	187.1	192.6			185.9	190.3	184.7	191.7			100%	101%	99%	100%		
							10000000	1742.6	1741.5	1719.7	1730.8	1863.4		1749.1	1779.8	1783.9	1758.0	1832.8		100%	102%	104%	102%	98%	
							100000000	17423.3	17636.4	17714.6	17507.4	17901.2	18017.0	17798.3	18215.7	17683.4	17357.5	17828.6	18307.3	102%	103%	100%	99%	100%	102%
					100	1	1000000	192.6	197.8	197.5	241.4			195.2	194.8	201.6	242.7			101%	98%	102%	101%		
							10000000	1783.9	1811.1	1802.4	1853.6	2309.2		1796.7	1820.8	1837.7	1849.7	2318.0		101%	101%	102%	100%	100%	
							100000000	18085.6	18292.7	17816.4	18043.1	18906.5	26629.7	18284.7	18128.0	17985.5	18449.9	18502.6	26169.0	101%	99%	101%	102%	98%	98%
						10	1000000	192.8	191.9	212.9				200.8	193.5	200.9				104%	101%	94%			
							10000000	1778.2	1819.8	1799.4	1915.6			1815.6	1798.8	1821.0	1926.8			102%	99%	101%	101%		
							100000000	18509.0	18529.9	18604.8	17948.4	18815.4		19018.5	18794.7	18123.7	18246.0	18862.1		103%	101%	97%	102%	100%	
			random	i5	5	1	1000000	181.9	181.2	182.7	189.3	203.2	338.9	186.2	182.3	180.6	184.2	203.0	339.1	102%	101%	99%	97%	100%	100%
							10000000	1712.8	1716.6	1714.3	1726.5	1755.0	1913.7	1708.6	1703.5	1729.6	1713.0	1751.8	1938.4	100%	99%	101%	99%	100%	101%
							50000000	15731.5	16004.7	18134.2	15728.3	15840.7	16094.1	15649.0	16512.2	15678.1	15741.3	15740.8	15840.8	99%	103%	86%	100%	99%	98%
						10	1000000	180.9	182.3	181.9	188.9	206.9		180.0	180.6	180.6	183.8	203.1		99%	99%	99%	97%	98%	
							10000000	1715.1	1715.4	1748.2	1723.6	1754.4	1977.9	1729.4	1711.8	1710.3	1713.3	1751.4	1963.9	101%	100%	98%	99%	100%	99%
							50000000	15638.7	15610.7	15673.0	15712.4	15716.9	15939.7	15747.5	15681.3	15684.3	16510.9	15835.7	15960.1	101%	100%	100%	105%	101%	100%
					10	1	1000000	165.8	164.4	164.5	169.2	201.9		161.7	162.5	162.5	167.4	203.7		98%	99%	99%	99%	101%	
							10000000	1550.6	1518.8	1525.2	1544.8	1576.9	1937.8	1512.7	1529.1	1536.0	1535.8	1580.7	1958.2	98%	101%	101%	99%	100%	101%
							50000000	15421.4	15482.8	15420.2	15514.9	16267.2	15834.7	15613.5	15455.7	15541.9	15993.3	15516.3	16677.1	101%	100%	101%	103%	95%	105%

cat	machine	n	k	size	master 1	master 2	master 3	master 4	master 5	master 6	patched 1	patched 2	patched 3	patched 4	patched 5	patched 6	% 1	% 2	% 3	% 4	% 5	% 6
			10	1000000	159.6	164.1	168.4	170.9			163.2	163.6	163.6	172.7			102%	100%	97%	101%		
				10000000	1538.6	1534.0	1509.6	1561.5	1607.6		1582.1	1535.0	1517.6	1547.8	1576.8		103%	100%	101%	99%	98%	
				50000000	15771.5	17204.3	15547.7	15513.0	16126.4	17584.2	15470.7	15495.6	15491.0	15571.1	15571.7	16327.6	98%	90%	100%	100%	97%	93%
		100	1	1000000	172.8	169.9	174.0	213.3			176.2	173.1	175.5	213.1			102%	102%	101%	100%		
				10000000	1611.6	1609.8	1570.7	1635.2	2037.8		1593.2	1687.3	1607.0	1653.8	2072.7		99%	105%	102%	101%	102%	
				50000000	15436.3	15585.4	15610.7	15562.8	15799.1	19109.7	16157.9	15509.5	15662.4	15589.0	16213.8	22050.7	105%	100%	100%	100%	103%	115%
			10	1000000	171.3	168.7	175.9				168.8	168.5	186.5				99%	100%	106%			
				10000000	1606.5	1680.4	1611.3	1672.1			1589.3	1574.1	1585.8	1682.7			99%	94%	98%	101%		
				50000000	15522.4	15546.7	16037.1	15572.8	16321.8		15604.2	15587.3	15504.5	15506.6	15862.8		101%	100%	97%	100%	97%	
	xeon	5	1	1000000	195.8	197.7	196.5	199.0	225.7	470.2	194.9	196.9	197.1	201.5	219.3	407.0	100%	100%	100%	101%	97%	87%
				10000000	1828.0	1836.4	1833.8	1834.4	1863.7	2121.2	1860.1	1835.5	1855.2	1876.2	1885.1	2147.0	102%	100%	101%	102%	101%	101%
				100000000	18400.5	18451.5	19552.3	18464.4	18635.9	18801.0	18498.2	18380.3	18832.2	18569.6	19740.0	19117.0	101%	100%	96%	101%	106%	102%
			10	1000000	195.3	197.2	195.1	201.5	218.3		198.9	196.3	197.2	201.2	224.9		102%	100%	101%	100%	103%	
				10000000	1847.9	1834.2	1843.7	1838.0	1873.9	2113.1	1840.8	1839.1	1834.8	1833.2	1887.7	2150.0	100%	100%	100%	100%	101%	102%
				100000000	18436.4	18310.6	18307.3	18442.1	18507.3	18768.0	18579.9	18371.4	18794.3	18493.4	18741.6	18949.8	101%	100%	103%	100%	101%	101%
		10	1	1000000	188.2	189.3	189.0	192.6	252.5		185.7	184.2	190.5	196.6	238.4		99%	97%	101%	102%	94%	
				10000000	1774.4	1748.4	1756.1	1758.0	1858.6	2397.5	1776.8	1787.1	1737.3	1780.9	1836.8	2427.2	100%	102%	99%	101%	99%	101%
				100000000	17389.5	17538.0	17581.4	17318.3	17911.0	18492.7	17881.8	17526.0	17589.9	17678.0	18887.5	18757.1	103%	100%	100%	102%	105%	101%
			10	1000000	182.4	185.9	187.8	194.1			190.2	186.5	189.2	197.4			104%	100%	101%	102%		
				10000000	1739.6	1741.7	1723.6	1748.6	1801.9		1766.2	1792.4	1811.0	1755.8	1842.6		102%	103%	105%	100%	102%	
				100000000	17901.1	17400.8	17795.0	17618.7	17698.6	18520.0	17531.9	17606.7	18202.4	17458.1	17829.2	18149.7	98%	101%	102%	99%	101%	98%
		100	1	1000000	190.6	193.3	196.5	252.4			196.5	194.1	210.2	246.4			103%	100%	107%	98%		
				10000000	1781.4	1827.5	1802.1	1856.8	2564.3		1826.4	1802.2	1814.7	1911.1	2577.4		103%	99%	101%	103%	101%	
				100000000	18322.7	18185.4	17892.5	18623.4	18996.2	26268.0	18584.6	19459.6	18064.2	18951.4	19009.6	26703.6	101%	107%	101%	102%	100%	102%
			10	1000000	196.0	191.5	200.4				191.7	197.5	200.3				98%	103%	100%			
				10000000	1779.7	1768.9	1871.3	1987.4			1892.2	1846.0	1839.9	1943.4			106%	104%	98%	98%		
				100000000	17906.9	18086.0	18030.7	18463.7	19175.6		18674.2	19042.9	18249.5	18327.8	19588.6		104%	105%	101%	99%	102%	
sequential	i5	5	1	1000000	184.6	181.6	182.0	183.3	198.4	348.1	182.6	181.3	184.2	182.3	197.5	347.0	99%	100%	101%	99%	100%	100%
				10000000	1715.9	1717.7	1713.8	1720.0	1738.8	1906.8	1706.4	1709.3	1702.1	1703.6	1730.6	1879.7	99%	100%	99%	99%	100%	99%
				50000000	15693.6	15772.0	15741.8	15857.1	15834.3	16054.3	15665.9	15616.6	15796.7	15681.7	15776.5	16062.7	100%	99%	100%	99%	100%	100%
			10	1000000	181.3	182.2	181.7	183.5	197.8		179.4	180.1	180.1	185.2	210.7		99%	99%	99%	101%	107%	
				10000000	1713.5	1713.2	1717.8	1716.9	1726.6	1886.8	1701.6	1718.9	1709.5	1712.4	1720.8	1877.7	99%	100%	100%	100%	100%	100%
				50000000	15758.0	15821.5	15674.9	15706.1	15705.2	16075.9	15873.0	15703.2	15689.3	15650.4	15687.3	16078.1	101%	99%	100%	100%	100%	100%
		10	1	1000000	164.5	151.7	152.6	158.1	186.1		162.3	153.4	153.2	153.7	185.7		99%	101%	100%	97%	100%	
				10000000	1522.1	1443.9	1421.6	1415.5	1452.1	1757.9	1519.0	1465.3	1413.5	1406.9	1446.9	1749.1	100%	101%	99%	99%	100%	100%
				50000000	15501.5	15418.2	15364.4	15425.1	15458.5	16104.8	15568.2	15497.0	16027.5	15356.4	15601.2	15697.1	100%	101%	104%	100%	101%	97%
			10	1000000	161.2	151.7	153.4	155.9			163.7	152.8	154.4	156.4			102%	101%	101%	100%		
				10000000	1523.5	1440.6	1428.3	1423.7	1457.7		1579.5	1425.1	1430.5	1416.9	1462.2		104%	99%	100%	100%	100%	
				50000000	15554.7	15439.6	15403.2	15443.3	15382.7	15714.0	15548.0	15489.4	15392.7	15408.6	15519.7	16675.7	100%	100%	100%	100%	101%	106%
		100	1	1000000	169.8	157.7	163.6	192.2			167.4	159.6	159.6	194.0			99%	101%	98%	101%		
				10000000	1632.2	1551.7	1542.4	1526.0	1936.3		1611.0	1496.4	1447.3	1509.0	1829.7		99%	96%	94%	99%	94%	
				50000000	15635.1	15493.1	15466.8	15504.0	15710.5	22360.9	15574.6	16130.7	15421.0	15533.8	16153.3	22678.7	100%	104%	100%	100%	103%	101%
			10	1000000	170.8	158.9	161.6				173.7	161.5	163.2				102%	102%	101%			
				10000000	1645.5	1538.9	1548.5	1495.1			1592.4	1486.4	1512.1	1511.0			97%	97%	98%	101%		
				50000000	15601.0	15943.7	15487.9	15587.2	16082.8		15633.7	15570.6	15416.0	15549.2	16033.9		100%	98%	100%	100%	100%	
	xeon	5	1	1000000	196.8	195.6	197.1	198.4	213.3	354.4	199.0	198.5	199.9	199.2	216.9	470.5	101%	101%	101%	100%	102%	133%
				10000000	1825.6	1826.3	1850.0	1848.9	1846.6	2044.0	1860.1	1829.2	1851.6	1838.1	1873.9	2047.7	102%	100%	100%	99%	101%	100%
				100000000	19587.6	18641.9	19618.7	19569.1	19738.1	19592.5	18330.0	18614.5	18335.6	18759.5	18624.3	18552.5	94%	100%	93%	96%	94%	95%
			10	1000000	197.6	193.9	198.0	196.1	212.6		198.1	195.6	197.0	199.2	216.8		100%	101%	100%	102%	102%	
				10000000	1825.6	1825.9	1829.6	1831.0	1849.6	2090.5	1878.4	1864.9	1854.3	1845.0	1882.2	2113.2	103%	102%	101%	101%	102%	101%
				100000000	18408.4	18308.5	18440.2	18607.3	18412.6	18646.5	18424.3	18626.8	18379.2	18383.6	18661.8	18596.5	100%	102%	100%	99%	101%	100%
		10	1	1000000	186.3	175.4	176.5	176.8	217.4		184.1	184.9	176.1	176.6	221.8		99%	105%	100%	100%	102%	
				10000000	1736.3	1634.0	1612.2	1702.8	1677.8	2212.2	1762.3	1662.5	1639.2	1618.1	1642.6	2024.5	101%	102%	102%	95%	98%	92%
				100000000	18026.0	16433.9	16437.4	16308.5	16448.7	16994.2	17742.3	16775.1	16303.8	16115.6	16564.5	16762.3	98%	102%	99%	99%	101%	99%
			10	1000000	187.7	179.6	175.7	177.5			186.2	178.2	176.9	183.0			99%	99%	101%	103%		
				10000000	1745.8	1629.4	1638.3	1604.9	1655.7		1717.1	1639.3	1655.3	1641.5	1649.6		98%	101%	101%	102%	100%	
				100000000	17362.8	16338.0	16341.3	16420.9	16168.3	16736.0	17408.5	17161.7	16113.1	16170.1	16280.0	17078.1	100%	105%	99%	99%	101%	102%
		100	1	1000000	190.6	185.3	189.2	220.5			200.3	183.5	182.1	221.4			105%	99%	96%	100%		
				10000000	1827.4	1681.8	1688.8	1708.6	2065.4		1838.2	1829.3	1704.1	1725.1	2144.3		101%	109%	101%	101%	104%	
				100000000	18462.3	17668.9	16462.0	18434.0	16910.6	23872.3	18085.9	16993.7	16955.2	16596.3	17293.0	23874.4	98%	96%	103%	90%	102%	100%

32	cycle/random	cpu	a	b	size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	%1	%2	%3	%4	%5	%6
				10	1000000	194.7	186.2	183.3				192.7	192.3	183.9				99%	103%	100%			
					10000000	1816.8	1753.3	1700.7	1737.5			1879.4	1716.4	1683.8	1754.1			103%	98%	99%	101%		
					100000000	19291.3	17712.1	17072.6	17229.3	17596.7		17758.2	17556.5	17145.4	16634.6	17751.6		92%	99%	100%	97%	101%	
32	cycle	i5	5	1	1000000	181.1	180.6	181.9	183.4	201.2	355.7	181.0	180.6	180.8	184.1	201.0	354.3	100%	100%	99%	100%	100%	100%
					10000000	1715.0	1719.1	1716.1	1760.2	1742.1	1914.1	1706.1	1705.8	1716.7	1709.3	1772.2	1916.5	99%	99%	100%	97%	102%	100%
					50000000	15665.5	15695.1	15672.3	15694.9	15691.4	15958.9	15721.5	15657.6	16037.2	15718.7	15639.2	15869.2	100%	100%	102%	100%	100%	99%
				10	1000000	181.0	180.7	180.7	185.0	206.8		179.8	180.2	180.4	184.1	202.4		99%	100%	100%	100%	98%	
					10000000	1718.6	1715.4	1791.9	1718.6	1774.2	1932.4	1705.1	1703.7	1702.3	1714.1	1737.8	1929.9	99%	99%	95%	100%	98%	100%
					50000000	15688.9	15609.2	17432.6	15614.1	15657.2	15799.5	15665.8	15640.8	15671.5	15709.9	15774.6	15828.0	100%	100%	90%	101%	101%	100%
			10	1	1000000	162.5	160.7	161.6	168.8	199.8		160.8	161.8	165.0	166.8	198.5		99%	101%	102%	99%	99%	
					10000000	1548.2	1515.7	1524.5	1512.5	1600.0	1892.0	1530.4	1538.8	1543.5	1528.5	1581.1	1869.8	99%	102%	101%	101%	99%	99%
					50000000	15518.3	15448.9	15919.8	15440.0	15513.6	16263.2	15399.1	15478.3	15511.2	15669.1	16861.6	15769.5	99%	100%	97%	101%	109%	97%
				10	1000000	163.6	162.5	163.7	169.3			162.7	166.5	167.2	169.1			99%	102%	102%	100%		
					10000000	1534.5	1569.8	1518.8	1529.6	1608.6		1522.6	1548.0	1570.5	1528.9	1580.6		99%	99%	103%	100%	98%	
					50000000	15627.1	15396.4	15457.6	15501.1	15517.6	15702.7	15463.4	16045.7	15958.5	15491.3	15560.1	15758.2	99%	104%	103%	100%	100%	100%
			100	1	1000000	170.6	168.3	175.8	206.3			170.2	170.7	172.9	207.1			100%	101%	98%	100%		
					10000000	1618.7	1585.6	1584.6	1620.1	1969.5		1658.5	1609.9	1608.7	1660.8	1958.4		102%	102%	102%	103%	99%	
					50000000	15639.7	17587.7	15477.2	16383.2	15800.5	18673.7	15547.1	15457.7	15462.7	15663.8	15756.1	22091.7	99%	88%	100%	96%	100%	118%
				10	1000000	169.7	169.4	174.1				176.6	169.7	176.5				104%	100%	101%			
					10000000	1615.1	1578.5	1666.0	1658.7			1589.2	1642.6	1585.8	1615.5			98%	104%	95%	97%		
					50000000	16015.9	16060.1	15504.4	15549.9	16316.9		17362.3	15508.2	15491.5	15806.5	15931.2		108%	97%	100%	102%	98%	
		xeon	5	1	1000000	196.5	196.0	195.5	198.1	225.5	423.9	197.7	198.8	197.7	197.8	224.7	376.1	101%	101%	101%	100%	100%	89%
					10000000	1828.7	1840.1	1841.7	1832.0	1865.1	2171.2	1842.6	1844.3	1845.6	1886.2	1906.8	2137.2	101%	100%	100%	103%	102%	98%
					100000000	18327.2	18459.0	18299.6	19633.8	18543.2	18676.0	18345.1	18423.2	18665.4	18595.4	18937.0	18956.4	100%	100%	102%	95%	102%	102%
				10	1000000	197.7	196.9	197.2	201.0	224.7		197.5	197.7	195.2	203.6	225.3		100%	100%	99%	101%	100%	
					10000000	1827.8	1851.2	1851.0	1836.9	1875.5	2258.0	1834.4	1850.8	1859.1	1856.3	1888.4	2139.6	100%	100%	100%	101%	101%	95%
					100000000	18334.9	18504.3	18499.7	18304.8	18636.6	20616.3	18600.2	18621.0	18401.3	18383.0	18634.7	18856.4	101%	101%	99%	100%	100%	91%
			10	1	1000000	186.5	186.7	187.6	191.7	241.6		189.0	189.0	185.0	191.8	237.7		101%	101%	99%	100%	98%	
					10000000	1753.1	1728.2	1712.2	1766.5	1829.1	2449.7	1735.0	1758.4	1753.8	1723.4	1827.0	2124.7	99%	102%	102%	98%	100%	87%
					100000000	17538.5	17564.0	17688.2	17714.1	17332.0	18184.3	17639.3	17864.9	18128.5	17444.0	17819.7	18056.1	101%	102%	102%	98%	103%	99%
				10	1000000	187.1	184.0	185.7	191.6			185.6	185.3	187.2	194.9			99%	101%	101%	102%		
					10000000	1776.6	1734.8	1753.4	1730.8	1789.5		1748.2	1778.6	1770.3	1742.4	1844.1		98%	103%	101%	101%	103%	
					100000000	17340.3	17736.5	17290.1	17508.3	17773.2	17967.9	17816.2	17182.6	17489.0	17208.5	17851.2	19019.6	103%	97%	101%	98%	100%	106%
			100	1	1000000	193.7	192.9	197.1	239.8			193.2	198.2	203.0	247.5			100%	103%	103%	103%		
					10000000	1798.3	1784.8	1833.3	1815.4	2289.4		1828.2	1801.9	1818.8	1853.1	2392.5		102%	101%	99%	102%	105%	
					100000000	18542.0	17879.7	18087.9	18868.4	18745.1	26499.6	18245.0	18289.0	18217.3	18334.4	18726.9	26113.2	98%	102%	101%	97%	100%	99%
				10	1000000	192.8	192.2	199.9				194.9	195.9	203.7				101%	102%	102%			
					10000000	1762.8	1806.6	1789.4	1885.0			1915.7	1834.2	1838.9	1875.5			109%	102%	103%	99%		
					100000000	18579.7	18039.0	18094.1	17946.4	18477.3		18408.6	18272.3	18203.6	18419.4	19275.7		99%	101%	101%	103%	104%	
	random	i5	5	1	1000000	183.6	181.3	184.3	186.3	203.6	357.4	180.4	180.1	182.3	185.6	203.1	353.0	98%	99%	99%	100%	100%	99%
					10000000	1715.1	1712.7	1715.1	1747.4	1752.0	1922.6	1746.0	1705.7	1710.9	1723.9	1738.2	1910.4	102%	100%	100%	99%	99%	99%
					50000000	16756.9	15680.9	15606.8	15713.3	16475.9	16551.9	15624.2	15639.8	15729.8	16009.2	15764.8	16582.2	93%	100%	101%	102%	96%	100%
				10	1000000	181.3	181.5	181.5	185.2	203.8		182.1	180.7	180.5	185.7	203.3		100%	100%	99%	100%	100%	
					10000000	1713.6	1714.8	1710.2	1721.9	1787.2	1967.1	1708.2	1708.4	1708.5	1715.9	1733.7	1937.9	100%	100%	100%	100%	97%	99%
					50000000	16057.0	15622.9	15684.5	15692.7	15750.6	15848.9	15614.2	15549.5	17378.8	15716.7	16258.8	16112.6	97%	100%	111%	100%	103%	102%
			10	1	1000000	163.8	162.8	163.9	170.7	209.9		164.0	164.2	164.4	171.1	204.8		100%	101%	100%	100%	98%	
					10000000	1532.0	1535.7	1553.9	1561.9	1574.6	1972.1	1546.6	1554.4	1541.0	1541.7	1567.8	1920.4	101%	101%	99%	99%	100%	97%
					50000000	15386.0	15382.8	15467.1	16042.6	15436.8	16270.4	16229.8	15959.5	15503.1	15501.6	15488.5	15970.5	105%	104%	100%	97%	100%	98%
				10	1000000	162.8	165.2	165.2	166.3			162.3	164.7	164.5	170.0			100%	100%	100%	102%		
					10000000	1525.7	1511.8	1601.1	1542.6	1605.7		1516.0	1504.6	1532.4	1557.7	1578.0		99%	100%	96%	101%	98%	
					50000000	15460.0	16545.1	15450.0	15469.2	15527.4	16191.7	15460.2	15521.6	15456.5	15528.3	16059.6	15871.0	100%	94%	100%	100%	103%	98%
			100	1	1000000	169.8	170.4	177.5	210.3			173.4	175.1	176.0	212.0			102%	103%	99%	101%		
					10000000	1670.5	1584.3	1601.6	1677.7	1998.0		1628.9	1588.3	1636.2	1634.4	2009.0		98%	100%	102%	97%	101%	
					50000000	15484.1	15522.7	15475.1	15630.3	16309.9	18740.8	15486.2	15537.9	15948.6	15667.9	16026.0	19038.4	100%	100%	103%	100%	98%	102%
				10	1000000	169.0	169.3	181.1				184.8	171.0	180.5				109%	101%	100%			
					10000000	1674.1	1620.5	1620.1	1681.3			1607.0	1598.0	1604.4	1681.4			96%	99%	99%	100%		
					50000000	16104.6	15620.8	15499.3	15634.6	16151.4		16639.1	16370.2	15529.4	15621.6	17280.2		103%	105%	100%	100%	107%	
		xeon	5	1	1000000	196.1	197.4	197.2	200.5	225.8	529.3	196.4	196.7	200.4	201.7	224.7	426.9	100%	100%	102%	101%	100%	81%
					10000000	1834.7	1834.6	1826.4	1840.6	1871.9	2144.3	1858.7	1833.8	1842.4	1861.6	1898.4	2200.5	101%	100%	101%	101%	101%	103%
					100000000	18450.0	18405.8	18273.3	18401.1	18537.0	18839.2	18310.5	18332.1	18615.2	18598.4	18706.0	18700.2	99%	100%	102%	101%	101%	99%

cache	scan	index	cyc	cpu	a	b	rows	master 1	m2	m3	m4	m5	m6	patched 1	p2	p3	p4	p5	p6	r1	r2	r3	r4	r5	r6
						10	1000000	195.0	195.9	198.4	203.4	224.8		198.4	197.2	198.8	202.1	227.6		102%	101%	100%	99%	101%	
							10000000	1828.6	1828.3	1837.0	1851.6	1869.6	2244.0	1840.6	1855.4	1838.7	1850.9	1880.3	2147.9	101%	101%	100%	100%	101%	96%
							100000000	18455.3	18275.1	18431.4	18421.0	18698.6	18987.8	18305.4	18690.3	18347.6	18695.0	18684.5	18846.8	99%	102%	100%	101%	100%	99%
					10	1	1000000	187.6	186.5	187.4	192.3	235.9		186.8	191.3	190.7	193.7	241.8		100%	103%	102%	101%	102%	
							10000000	1741.7	1736.5	1724.9	1775.8	1809.0	2507.5	1747.1	1726.0	1751.0	1779.4	1838.8	2408.9	100%	99%	102%	100%	102%	96%
							100000000	17583.7	17196.6	17747.8	17301.5	18112.7	18416.4	17957.2	17717.3	17316.6	17892.1	17941.5	18376.0	100%	103%	98%	103%	99%	100%
						10	1000000	184.2	185.4	189.0	196.3			187.8	187.7	189.4	192.5			102%	101%	100%	98%		
							10000000	1747.1	1751.3	1760.1	1792.6	1806.2		1778.4	1735.7	1745.7	1757.4	1831.6		102%	99%	99%	98%	101%	
							100000000	17638.3	17636.7	17328.5	17372.5	17851.9	18780.4	18114.5	17535.6	17505.1	17454.7	17681.1	18284.0	103%	99%	101%	100%	99%	97%
					100	1	1000000	202.5	192.1	199.3	260.2			194.5	196.6	200.9	249.1			96%	102%	101%	96%		
							10000000	1781.0	1847.0	1856.8	1861.9	2423.8		1859.1	1908.5	1821.9	1874.6	2384.1		104%	103%	98%	101%	98%	
							100000000	18203.1	17906.3	18293.5	18377.9	19266.9	26406.1	17910.7	18479.4	18260.0	18616.7	19250.4	26546.9	98%	103%	100%	101%	100%	101%
						10	1000000	192.6	193.9	198.6				194.9	196.5	204.8				101%	101%	103%			
							10000000	1798.0	1824.8	1770.4	1974.6			1795.3	1805.6	1858.0	1881.3			100%	99%	105%	95%		
							100000000	18330.5	17770.7	18444.9	17975.2	19598.8		18474.9	18207.1	18601.4	18422.0	19305.5		101%	102%	101%	102%	99%	
		sequential		i5	5	1	1000000	181.4	180.9	180.9	183.9	198.2	315.3	180.6	180.4	182.6	181.6	197.3	314.8	100%	100%	101%	99%	100%	100%
							10000000	1768.4	1725.5	1710.2	1715.7	1735.2	1882.7	1757.1	1741.6	1706.4	1711.4	1723.3	1885.4	99%	101%	100%	100%	99%	100%
							50000000	15713.1	15714.6	15680.7	15668.5	15798.6	16695.6	15610.3	15736.7	15795.2	15575.8	15718.6	15799.4	99%	100%	101%	99%	99%	95%
						10	1000000	182.0	183.2	185.1	188.1	198.3		179.9	180.2	180.8	181.8	196.8		99%	98%	98%	97%	99%	
							10000000	1719.1	1718.2	1716.1	1717.0	1735.7	1901.1	1700.2	1722.5	1712.5	1708.9	1725.6	1895.4	99%	100%	100%	100%	99%	100%
							50000000	15717.3	15732.3	15658.3	15703.0	15740.6	15807.5	15808.8	15760.5	15791.5	15629.9	15932.0	16053.2	101%	100%	101%	100%	101%	102%
					10	1	1000000	162.2	153.1	152.8	154.2	192.0		163.2	153.3	152.3	155.7	188.9		101%	100%	100%	101%	98%	
							10000000	1500.8	1446.4	1447.1	1452.8	1460.9	1777.4	1526.8	1438.3	1454.1	1413.7	1450.1	1747.9	102%	99%	100%	97%	99%	98%
							50000000	15524.3	15462.0	15417.1	15465.3	15424.6	16055.0	15517.7	15415.7	15440.2	15747.2	15461.4	15710.3	100%	100%	100%	102%	100%	98%
						10	1000000	160.4	152.9	152.3	157.3			162.1	152.3	152.0	157.7			101%	100%	100%	100%		
							10000000	1554.4	1457.2	1427.5	1425.2	1463.7		1526.8	1440.6	1406.1	1441.6	1448.8		98%	99%	99%	101%	99%	
							50000000	15533.1	15388.7	15333.5	16062.4	15990.8	15722.7	15592.2	15536.8	15411.3	15442.7	15447.9	16245.9	100%	101%	101%	96%	97%	103%
					100	1	1000000	168.8	156.3	164.0	192.1			168.6	162.2	161.3	199.6			100%	104%	98%	104%		
							10000000	1601.2	1508.1	1474.8	1514.3	1838.8		1607.6	1465.5	1558.7	1521.5	1916.2		100%	97%	106%	100%	104%	
							50000000	15601.6	15474.8	15591.6	16017.9	16087.1	19007.4	15616.7	15550.7	15433.2	15559.2	15770.0	22411.3	100%	100%	99%	97%	98%	118%
						10	1000000	168.6	165.0	160.0				167.3	160.8	160.3				99%	97%	100%			
							10000000	1654.7	1571.6	1514.7	1503.4			1552.9	1490.9	1479.4	1510.4			94%	95%	98%	100%		
							50000000	15543.9	16475.7	16751.6	15575.5	17144.1		15696.9	15493.1	15447.0	16476.3	16075.6		101%	94%	92%	106%	94%	
				xeon	5	1	1000000	195.8	195.9	197.5	197.1	217.0	524.9	196.4	197.6	196.0	198.8	214.3	355.5	100%	101%	99%	101%	99%	68%
							10000000	1826.9	1823.7	1839.4	1852.0	1852.1	2088.0	1833.8	1840.4	1828.8	1832.6	1851.2	2050.9	100%	101%	99%	99%	100%	98%
							100000000	18428.2	18381.9	18285.5	19768.8	18310.2	18588.2	18722.1	18582.0	18577.3	18361.1	18641.7	18636.8	102%	101%	102%	93%	102%	100%
						10	1000000	194.8	194.6	198.4	198.1	218.3		196.5	198.7	197.8	196.7	217.6		101%	102%	100%	99%	100%	
							10000000	1841.8	1847.9	1829.0	1829.9	1852.3	2092.0	1867.8	1848.7	1849.6	1834.2	1858.0	2037.8	101%	100%	101%	100%	100%	97%
							100000000	18474.1	18398.0	18507.2	19440.6	18555.7	18557.0	18499.9	18580.2	18462.4	18539.6	18533.8	18855.6	100%	101%	100%	95%	100%	102%
					10	1	1000000	189.9	176.5	174.8	178.9	211.4		188.2	178.5	175.6	178.9	213.1		99%	101%	100%	100%	101%	
							10000000	1757.1	1668.4	1612.9	1610.0	1667.0	2211.5	1784.9	1637.6	1604.6	1658.6	1716.0	2139.7	102%	98%	99%	103%	103%	97%
							100000000	17547.2	16395.7	16499.3	16164.1	16107.8	16948.4	18007.0	16505.5	16486.7	16153.6	16385.7	16884.9	103%	101%	100%	100%	102%	100%
						10	1000000	188.3	176.9	179.5	178.9			189.2	179.3	175.8	181.4			101%	101%	98%	101%		
							10000000	1766.5	1665.0	1621.2	1625.7	1668.4		1749.4	1621.7	1629.4	1648.3	1650.8		99%	97%	101%	101%	99%	
							100000000	17703.4	17514.0	16253.3	16302.5	16119.0	16725.2	17459.0	16827.8	16750.6	16284.7	16253.5	17095.1	99%	96%	103%	100%	101%	102%
					100	1	1000000	191.2	181.7	185.2	218.2			195.3	186.3	186.1	226.2			102%	103%	100%	104%		
							10000000	1795.5	1702.4	1690.6	1715.9	2151.0		1828.3	1750.2	1679.0	1694.5	2194.1		102%	103%	99%	99%	102%	
							100000000	17980.1	16914.3	16599.8	16622.7	17109.3	24239.2	18431.9	17144.3	17090.4	16445.2	17532.3	24248.3	103%	101%	103%	99%	102%	100%
						10	1000000	194.7	183.0	184.1				197.8	199.2	194.0				102%	109%	105%			
							10000000	1822.0	1685.1	1667.2	1684.4			1825.7	1732.6	1699.6	1696.5			100%	103%	102%	101%		
							100000000	18080.4	17236.9	17022.6	16545.3	17534.5		18543.9	17771.9	18061.0	16722.4	17389.0		103%	103%	106%	101%	99%	
uncached	bitmapscan	btree-saop	0 cycle	i5	5	1	1000000	11.4	13.9	36.7	219.4	555.9	618.1	11.9	13.3	38.0	224.7	497.9	576.6	105%	95%	104%	102%	90%	93%
							10000000	11.5	13.4	37.8	242.0	2023.7	4640.1	11.8	14.1	36.2	247.3	2027.5	4646.2	102%	105%	96%	102%	100%	100%
							50000000	11.9	14.7	36.9	258.1	2059.9	21289.8	12.1	15.1	35.7	264.2	2069.3	21254.2	102%	102%	97%	102%	100%	100%
						10	1000000	11.4	16.1	74.1	469.3	468.0		11.8	16.6	74.8	469.2	408.3		104%	103%	101%	100%	87%	
							10000000	11.9	16.5	60.1	588.6	4450.4	3711.9	12.3	17.1	60.8	591.1	4441.1	3655.6	104%	104%	101%	100%	100%	98%
							50000000	12.2	17.9	65.5	657.6	4551.0	31123.6	12.1	18.5	65.1	657.0	4557.2	31100.7	99%	104%	99%	100%	100%	100%
					10	1	1000000	11.3	14.6	48.8	287.9	524.0		11.9	14.5	48.6	286.8	525.6		106%	99%	100%	100%	100%	
							10000000	11.5	14.9	45.3	336.8	2617.3	4548.7	12.3	14.7	43.9	335.7	2649.1	4551.2	107%	98%	97%	100%	101%	100%
							50000000	12.4	15.6	45.1	360.2	2814.3	29288.0	12.4	15.9	43.9	368.8	2832.8	29338.9	100%	102%	97%	102%	101%	100%

cat	machine			size	master						patched						pct					
			10	1000000	11.8	20.2	100.2	553.1			12.7	20.8	101.3	535.0			107%	103%	101%	97%		
				10000000	12.2	20.5	100.9	851.1	4840.7		12.8	21.1	98.6	865.3	4812.8		105%	103%	98%	102%	99%	
				50000000	12.6	21.6	99.6	831.3	8347.5	30443.4	12.9	21.8	99.5	833.5	8379.5	30089.6	103%	101%	100%	100%	100%	99%
		100	1	1000000	12.2	22.1	110.3	603.3			12.7	22.6	104.5	582.1			104%	102%	95%	96%		
				10000000	12.5	24.6	108.6	920.4	5277.4		13.0	23.1	107.6	910.2	5280.3		104%	94%	99%	99%	100%	
				50000000	14.3	24.6	111.1	983.7	9063.8	35078.5	13.7	24.2	107.8	883.2	9102.8	35149.7	96%	98%	97%	90%	100%	100%
			10	1000000	12.8	28.5	184.1				13.2	28.8	169.3				103%	101%	92%			
				10000000	14.0	28.0	161.6	1579.9			14.0	31.0	163.6	1558.0			100%	111%	101%	99%		
				50000000	14.1	31.6	165.6	1735.0	14213.6		14.2	31.3	164.1	1746.6	14210.8		101%	99%	99%	101%	100%	
	xeon	5	1	1000000	13.0	15.8	28.7	139.3	392.9	574.6	13.5	15.6	27.2	138.6	391.9	568.0	104%	99%	95%	99%	100%	99%
				10000000	14.3	16.0	28.1	156.9	1197.3	3754.2	13.6	14.8	28.9	159.2	1180.4	3827.6	95%	93%	103%	101%	99%	102%
				100000000	13.4	16.6	30.0	160.1	1444.3	11706.9	12.9	15.3	30.6	160.1	1443.0	11816.9	96%	92%	102%	100%	100%	101%
			10	1000000	14.2	17.5	45.9	256.1	396.9		14.2	17.2	45.7	256.2	390.4		100%	98%	100%	100%	98%	
				10000000	14.7	17.2	49.6	342.3	2219.5	3572.0	13.8	17.6	49.3	344.3	2225.9	3549.1	94%	102%	99%	101%	100%	99%
				100000000	13.6	17.0	48.8	348.9	3243.9	21360.6	15.0	18.3	49.4	350.4	3259.5	21386.4	110%	108%	101%	100%	100%	100%
		10	1	1000000	14.2	16.5	32.9	164.8	403.2		14.1	15.7	33.3	164.5	403.5		100%	95%	101%	100%	100%	
				10000000	13.7	15.1	32.2	202.5	1394.3	3883.4	13.7	15.1	33.5	203.4	1380.6	4022.2	100%	100%	104%	100%	99%	104%
				100000000	14.0	16.6	34.7	202.7	1867.6	13610.7	14.2	15.9	35.6	201.9	1868.8	13642.9	101%	96%	103%	100%	100%	100%
			10	1000000	15.3	18.5	50.3	272.5			13.8	18.1	49.9	274.7			90%	98%	99%	101%		
				10000000	14.1	17.9	53.8	372.1	2409.7		13.7	17.3	54.3	376.1	2420.5		97%	97%	101%	101%	100%	
				100000000	14.6	19.1	51.7	386.1	3542.5	23141.1	15.5	16.8	49.5	385.6	3529.1	22989.8	106%	88%	96%	100%	100%	99%
		100	1	1000000	14.1	19.9	65.7	383.7			14.6	19.3	66.2	386.5			104%	97%	101%	101%		
				10000000	14.2	19.8	65.2	507.5	3594.5		14.2	19.0	66.0	508.1	3650.7		100%	96%	101%	100%	102%	
				100000000	15.0	19.1	66.8	514.8	5003.0	36161.0	14.5	19.9	64.6	512.6	5090.4	36179.3	96%	105%	97%	100%	102%	100%
			10	1000000	14.9	25.4	132.6				16.1	26.4	132.0				108%	104%	100%			
				10000000	14.3	27.1	127.7	1161.2			15.0	25.7	127.6	1158.5			105%	95%	100%	100%		
				100000000	15.0	26.4	132.2	1140.2	10708.6		15.5	27.7	129.8	1139.9	10633.0		103%	105%	98%	100%	99%	
random	i5	5	1	1000000	12.6	18.0	89.3	742.5	447.7	613.9	12.6	18.4	94.6	740.8	410.3	594.2	100%	103%	106%	100%	92%	97%
				10000000	12.2	17.5	96.7	791.5	7044.6	3701.5	13.1	17.6	90.8	812.2	6825.9	3748.7	107%	100%	94%	103%	97%	101%
				50000000	13.1	20.4	90.2	782.7	7584.7	35888.6	12.6	20.4	92.6	788.9	7687.8	36643.4	96%	100%	103%	101%	101%	102%
			10	1000000	12.2	18.1	87.2	750.2	447.5		13.0	18.8	93.6	738.2	438.2		107%	104%	107%	98%	98%	
				10000000	12.5	17.7	93.6	789.4	6838.9	3742.0	12.4	19.2	87.1	777.9	6847.6	3741.9	99%	108%	93%	99%	100%	100%
				50000000	13.0	18.7	94.1	792.1	7637.3	36242.3	13.4	21.7	91.9	791.7	7680.5	38229.7	103%	116%	98%	100%	101%	105%
		10	1	1000000	12.6	25.2	174.6	853.3	421.2		13.5	27.6	171.2	807.3	422.4		107%	110%	98%	95%	100%	
				10000000	13.0	26.3	163.9	1578.8	7408.4	3733.9	14.3	25.4	161.5	1572.3	7527.4	3630.0	110%	96%	99%	100%	102%	97%
				50000000	13.3	25.8	168.7	1571.1	15485.4	26735.2	13.9	28.7	169.9	1572.2	15276.9	26843.1	104%	112%	100%	100%	99%	100%
			10	1000000	13.1	29.0	174.4	894.3			13.2	28.4	172.6	805.1			101%	98%	99%	90%		
				10000000	13.3	27.1	166.1	1632.1	7456.2		13.6	27.2	164.0	1582.5	7460.1		103%	101%	99%	97%	100%	
				50000000	13.9	29.6	166.1	1566.1	15227.4	26307.6	14.3	30.4	173.5	1583.5	15345.3	26629.7	102%	103%	104%	101%	101%	101%
		100	1	1000000	28.2	172.1	792.5	433.8			28.4	168.0	790.1	408.4			101%	98%	100%	94%		
				10000000	26.9	168.3	1575.4	7411.0	3704.8		26.2	172.1	1623.8	7451.1	3617.7		98%	102%	103%	101%	98%	
				50000000	28.6	169.6	1575.2	15317.1	26453.1	23922.7	28.9	169.7	1600.3	15171.3	26447.6	24012.1	101%	100%	102%	99%	100%	100%
			10	1000000	27.3	176.2	845.2				27.6	177.7	784.7				101%	101%	93%			
				10000000	28.3	169.7	1621.1	7447.4			28.2	171.3	1593.1	7519.8			100%	101%	98%	101%		
				50000000	33.3	168.1	1555.5	15305.7	26456.6		27.7	178.3	1586.8	15471.7	26522.7		83%	106%	102%	101%	100%	
	xeon	5	1	1000000	13.5	19.3	70.1	401.4	349.3	581.7	14.0	19.1	68.0	406.7	359.2	636.8	104%	99%	97%	101%	103%	109%
				10000000	13.1	19.9	68.3	572.8	3480.5	3037.7	14.1	18.8	71.0	565.5	3454.4	3053.9	108%	94%	104%	99%	99%	101%
				100000000	13.9	22.3	72.6	566.1	5488.6	33081.3	14.5	19.0	71.1	568.1	5502.8	33294.9	104%	85%	98%	100%	100%	101%
			10	1000000	13.5	19.5	70.2	410.5	345.6		14.4	19.7	68.4	414.9	334.2		107%	101%	97%	101%	97%	
				10000000	14.0	20.0	69.7	563.6	3452.2	3204.1	14.5	19.7	68.4	563.7	3447.8	3006.2	104%	99%	98%	100%	100%	94%
				100000000	15.3	20.6	68.1	565.2	5497.0	33243.1	14.2	21.3	73.0	569.8	5508.8	33157.1	93%	104%	107%	101%	100%	100%
		10	1	1000000	14.9	23.0	121.0	552.9	370.1		14.3	22.9	126.2	550.8	375.9		96%	100%	104%	100%	102%	
				10000000	14.3	24.6	124.4	1085.4	4871.6	3220.3	14.0	24.8	125.5	1096.9	4831.6	3276.0	98%	101%	101%	101%	99%	102%
				100000000	15.9	27.1	129.8	1103.8	10795.8	46330.6	14.8	26.2	125.7	1104.0	10808.8	46209.9	94%	97%	97%	100%	100%	100%
			10	1000000	13.3	25.5	123.1	546.1			14.2	26.4	124.9	565.4			107%	103%	101%	104%		
				10000000	15.7	25.8	125.7	1090.6	4854.9		14.8	24.5	125.3	1098.0	4877.0		94%	95%	100%	101%	100%	
				100000000	16.2	26.4	128.0	1117.1	10750.6	46410.6	15.3	27.8	129.1	1112.3	10792.9	46390.3	94%	105%	101%	100%	100%	100%
		100	1	1000000	24.1	124.0	550.6	379.1			25.6	122.4	539.8	378.2			107%	99%	98%	100%		
				10000000	24.8	125.4	1108.3	4944.9	3196.1		24.4	123.6	1091.4	4917.1	3217.0		98%	99%	98%	99%	101%	
				100000000	29.2	125.2	1093.6	10801.1	46470.1	36826.1	27.7	127.4	1103.7	10794.5	46561.9	36777.5	95%	102%	101%	100%	100%	100%

Mode	CPU			Size	\	\	master	\	\	\	\	\	patched	\	\	\	\	\	%	\	\	\
			10	1000000	25.7	122.4	546.8				26.2	121.8	546.6				102%	100%	100%			
				10000000	23.3	125.9	1097.8	4982.0			24.3	123.8	1102.5	4976.9			105%	98%	100%	100%		
				100000000	26.4	125.9	1105.5	10834.4	46498.9		27.8	124.3	1108.3	10830.5	46603.1		106%	99%	100%	100%	100%
sequential	i5	5	1	1000000	11.4	11.4	13.6	17.6	63.2	380.7	11.8	12.5	14.4	22.8	53.6	377.9	104%	110%	106%	130%	85%	99%
				10000000	11.2	11.8	13.4	21.1	52.2	394.8	11.2	12.4	14.0	21.4	52.8	386.6	100%	106%	105%	101%	101%	98%
				50000000	11.8	12.2	14.9	19.2	52.3	389.3	12.0	11.9	15.2	20.4	52.0	387.4	102%	97%	102%	106%	100%	99%
			10	1000000	11.5	12.3	15.7	22.0	65.0		12.4	13.2	16.6	22.4	63.2		107%	107%	106%	102%	97%	
				10000000	11.7	13.3	16.3	25.7	59.1	398.2	12.0	13.3	16.4	25.1	59.3	397.5	102%	100%	100%	98%	100%	100%
				50000000	12.6	12.7	17.5	23.3	59.3	406.0	12.3	13.4	16.8	22.7	60.2	408.7	97%	105%	96%	98%	101%	101%
		10	1	1000000	11.5	11.8	15.7	23.5	90.3		12.1	12.3	15.7	23.1	93.0		106%	105%	100%	99%	103%	
				10000000	11.7	12.5	14.6	23.9	89.8	758.2	11.8	12.7	15.5	24.4	89.8	756.9	101%	102%	106%	102%	100%	100%
				50000000	12.0	12.8	14.7	23.8	89.3	755.2	11.8	13.1	15.0	22.4	90.8	767.6	98%	103%	102%	94%	102%	102%
			10	1000000	12.1	12.5	19.3	32.9			12.7	13.4	19.1	32.4			105%	108%	99%	99%		
				10000000	12.5	12.8	18.8	33.3	107.8		12.7	13.5	21.1	35.0	106.8		101%	106%	112%	105%	99%	
				50000000	12.5	12.8	18.6	32.2	108.5	784.4	13.0	13.8	19.6	32.1	108.8	802.7	104%	108%	106%	100%	100%	102%
		100	1	1000000	12.6	14.9	24.3	89.7			13.2	16.7	22.7	89.9			105%	112%	93%	100%		
				10000000	12.5	15.2	22.5	92.2	760.9		12.8	17.1	22.9	92.9	761.2		103%	113%	102%	101%	100%	
				50000000	13.1	15.3	22.2	90.8	761.3	9885.7	13.0	15.1	24.6	89.5	764.6	9879.7	99%	99%	111%	98%	100%	100%
			10	1000000	13.3	19.8	69.3				13.7	21.0	67.9				103%	106%	98%			
				10000000	14.2	19.0	68.3	235.9			13.9	19.5	69.2	218.9			98%	103%	101%	93%		
				50000000	14.1	21.1	67.1	222.2	982.5		14.2	21.1	67.1	218.0	976.4		101%	100%	100%	98%	99%	
	xeon	5	1	1000000	13.2	13.8	15.3	19.1	58.3	432.0	12.9	14.3	15.3	19.6	54.7	407.0	98%	104%	101%	103%	94%	94%
				10000000	13.6	13.6	15.0	21.5	56.1	403.9	13.2	13.6	15.3	18.8	56.1	445.7	97%	101%	102%	87%	100%	110%
				100000000	14.9	14.9	13.8	19.4	59.2	456.5	13.3	14.5	15.0	18.6	56.2	411.0	90%	97%	108%	96%	95%	90%
			10	1000000	13.2	14.4	16.8	22.1	63.3		13.8	15.2	15.6	23.7	61.8		104%	106%	93%	107%	98%	
				10000000	14.2	14.2	16.6	23.1	63.0	420.0	14.6	13.8	16.9	20.9	62.0	420.9	103%	97%	102%	90%	98%	100%
				100000000	15.6	15.1	16.6	23.0	62.8	537.1	13.6	13.9	16.5	22.8	62.2	559.2	87%	92%	99%	99%	99%	104%
		10	1	1000000	13.8	13.2	14.6	24.3	93.5		13.3	13.9	15.0	24.0	93.7		96%	105%	102%	99%	100%	
				10000000	15.5	14.4	15.3	24.2	104.3	860.2	14.4	13.2	15.7	24.8	95.2	899.2	93%	91%	103%	102%	91%	105%
				100000000	15.5	14.0	16.5	24.6	95.5	836.0	14.5	15.3	16.0	23.8	94.4	869.4	94%	110%	97%	97%	99%	104%
			10	1000000	13.2	15.5	19.2	32.1			14.6	15.7	19.5	32.3			111%	101%	101%	101%		
				10000000	14.1	14.0	18.7	32.0	109.3		13.9	14.8	19.3	30.7	110.7		98%	106%	103%	96%	101%	
				100000000	14.3	15.3	20.0	32.7	109.7	1075.7	13.5	15.7	18.4	31.1	109.5	834.1	95%	103%	92%	95%	100%	78%
		100	1	1000000	13.0	16.6	23.3	96.5			14.4	16.3	24.7	94.7			111%	99%	106%	98%		
				10000000	14.5	14.6	24.8	93.7	905.5		15.1	15.7	24.1	96.0	974.7		104%	108%	97%	102%	108%	
				100000000	14.8	15.5	26.0	95.5	936.1	10032.5	13.4	15.0	24.5	95.4	898.1	10216.1	91%	97%	94%	100%	96%	102%
			10	1000000	16.0	20.0	55.2				15.3	18.5	55.7				96%	93%	101%			
				10000000	15.3	18.5	55.5	189.7			15.4	19.4	57.5	188.7			100%	105%	104%	99%		
				100000000	16.5	19.9	54.1	187.4	1135.1		14.8	19.6	53.0	188.2	1001.8		90%	99%	98%	100%	88%	
32 cycle	i5	5	1	1000000	11.0	12.0	15.3	35.4	252.0	995.7	12.0	12.0	15.9	35.3	243.0	967.7	110%	100%	104%	100%	96%	97%
				10000000	11.9	11.9	15.3	35.5	226.2	2177.6	11.4	12.7	15.9	36.3	227.8	2137.8	96%	107%	104%	102%	101%	98%
				50000000	12.0	13.5	17.1	38.0	231.7	2153.4	12.2	13.5	17.0	38.0	228.7	2166.9	101%	100%	100%	100%	99%	101%
			10	1000000	11.7	12.5	18.6	63.5	516.0		11.7	12.4	19.4	64.4	495.9		100%	99%	105%	101%	96%	
				10000000	12.4	13.1	19.0	63.8	495.5	4351.9	12.2	12.3	18.9	62.6	491.3	4289.0	99%	94%	100%	98%	99%	99%
				50000000	12.3	13.5	20.3	63.4	486.8	4310.7	12.4	13.4	20.5	65.8	491.3	4456.2	101%	99%	101%	104%	101%	103%
		10	1	1000000	11.8	11.5	16.5	43.9	288.2		11.8	12.1	16.7	40.7	292.4		100%	105%	101%	93%	101%	
				10000000	11.9	12.2	16.3	41.3	284.5	2741.7	12.2	12.6	17.0	41.0	288.7	2753.0	103%	103%	104%	99%	101%	100%
				50000000	12.2	13.6	18.4	42.4	288.3	2731.0	12.4	13.8	18.3	42.7	289.5	2754.2	102%	101%	100%	101%	100%	101%
			10	1000000	11.7	12.5	23.3	101.1			12.1	13.8	24.6	101.8			103%	110%	105%	101%		
				10000000	12.1	13.7	23.3	101.3	860.9		12.0	14.0	23.1	101.4	867.0		99%	102%	99%	100%	101%	
				50000000	12.5	14.3	23.8	103.4	857.7	7395.7	13.1	14.6	24.7	102.7	876.6	7350.6	105%	103%	104%	99%	102%	99%
		100	1	1000000	12.1	15.8	27.9	145.3			12.2	15.5	29.0	144.5			101%	99%	104%	99%		
				10000000	12.8	15.5	32.1	144.5	1321.6		14.0	17.7	29.3	145.6	1311.0		109%	114%	91%	101%	99%	
				50000000	14.3	17.3	28.4	146.3	1320.1	15962.0	13.0	16.2	28.3	145.7	1337.3	13071.0	91%	94%	100%	100%	101%	82%
			10	1000000	13.1	22.8	97.9				13.0	24.1	95.9				99%	106%	98%			
				10000000	13.4	24.2	92.4	803.1			15.3	23.0	93.6	797.4			114%	95%	101%	99%		
				50000000	14.1	24.0	92.4	820.4	6772.1		16.3	24.3	94.6	809.9	7014.4		116%	101%	102%	99%	104%	
	xeon	5	1	1000000	14.1	14.8	14.9	30.3	162.7	697.0	13.9	13.3	15.7	30.8	162.8	681.8	98%	90%	105%	101%	100%	98%
				10000000	14.2	14.8	15.3	31.5	183.2	1548.8	14.1	14.2	16.4	31.0	180.6	1558.0	99%	96%	107%	98%	99%	101%
				100000000	13.5	14.3	17.2	34.8	164.6	1785.9	13.9	14.6	18.4	33.1	167.4	1769.9	103%	102%	107%	95%	102%	99%

dist	cpu	c5	c1	size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	%1	%2	%3	%4	%5	%6
			10	1000000	13.7	15.2	17.7	51.1	308.3		13.5	14.4	17.6	49.2	308.7		99%	95%	99%	96%	100%	
				10000000	13.2	14.2	18.3	53.2	371.9	2851.4	13.6	14.3	19.1	48.1	373.5	2843.2	103%	101%	105%	90%	100%	100%
				100000000	14.8	15.0	20.0	51.3	325.2	3417.1	13.1	15.5	20.5	50.9	322.0	3412.5	88%	103%	103%	99%	99%	100%
		10	1	1000000	14.9	15.0	16.2	36.0	206.0		13.6	14.3	15.9	36.4	203.4		91%	95%	98%	101%	99%	
				10000000	13.1	13.7	16.4	35.7	233.8	2004.9	13.4	13.5	17.4	38.2	230.6	1991.7	102%	99%	106%	107%	99%	99%
				100000000	14.0	14.8	17.3	38.5	213.2	2189.7	13.9	14.7	19.1	36.7	218.4	2363.4	99%	99%	110%	95%	102%	108%
			10	1000000	14.4	14.2	20.8	82.8			13.6	14.9	21.0	80.5			94%	105%	101%	97%		
				10000000	13.6	15.0	21.9	80.9	649.8		13.2	15.0	22.0	81.8	647.7		97%	100%	101%	101%	100%	
				100000000	15.2	15.3	23.1	82.6	627.8	6272.6	13.7	15.0	21.6	80.5	640.2	6179.7	90%	98%	94%	98%	102%	99%
		100	1	1000000	14.2	15.3	26.2	118.9			14.7	15.6	25.4	122.9			104%	102%	97%	103%		
				10000000	14.5	15.3	26.2	119.8	1082.6		13.8	15.3	27.0	125.8	1157.1		95%	100%	103%	105%	107%	
				100000000	14.7	14.9	29.4	125.6	1155.1	12960.0	14.5	16.0	28.5	125.1	1097.1	13023.8	98%	107%	97%	100%	95%	100%
			10	1000000	15.3	22.7	84.2				15.3	22.9	86.1				100%	101%	102%			
				10000000	15.1	21.7	89.5	724.0			14.9	21.9	89.0	719.7			98%	101%	99%	99%		
				100000000	14.2	21.9	84.9	747.2	6714.8		15.8	22.9	86.3	751.3	6725.9		111%	105%	102%	101%	100%	
random	i5	5	1	1000000	11.8	12.5	22.0	95.0	582.6	995.5	12.6	13.6	22.8	94.9	548.0	970.1	107%	109%	104%	100%	94%	97%
				10000000	11.9	12.6	25.1	98.8	807.0	4639.5	12.8	13.6	23.0	98.6	815.5	4738.3	108%	108%	91%	100%	101%	102%
				50000000	13.1	14.2	24.7	107.3	842.4	6520.9	12.8	14.9	24.3	98.0	829.3	6551.5	97%	105%	98%	91%	98%	100%
			10	1000000	11.7	12.5	22.2	102.5	570.6		12.3	12.9	21.8	97.0	552.6		105%	104%	98%	95%	97%	
				10000000	11.7	12.6	23.2	98.8	800.8	4717.6	12.7	13.2	22.8	98.0	822.7	4672.3	108%	104%	98%	99%	103%	99%
				50000000	12.8	14.8	24.1	100.3	886.7	6736.4	12.8	14.8	23.9	101.7	831.9	6697.9	100%	100%	99%	101%	94%	99%
		10	1	1000000	11.8	13.1	31.6	198.9	741.3		12.3	15.3	31.4	168.1	719.3		104%	117%	99%	84%	97%	
				10000000	12.4	14.1	30.9	180.5	1525.3	6197.7	12.3	14.2	31.2	184.7	1514.2	6213.7	100%	101%	101%	102%	99%	100%
				50000000	13.5	16.8	36.0	182.7	1649.8	12699.3	13.3	17.6	35.1	186.8	1645.7	12831.5	98%	105%	97%	102%	100%	101%
			10	1000000	12.5	15.5	32.7	183.1			12.7	13.8	32.8	168.1			102%	89%	100%	92%		
				10000000	12.7	15.3	30.8	179.2	1523.8		12.9	15.1	31.7	179.7	1523.8		101%	99%	103%	100%	100%	
				50000000	13.9	16.1	34.5	180.2	1660.9	13583.6	13.3	16.0	33.6	187.5	1631.7	13446.1	96%	99%	98%	104%	98%	99%
		100	1	1000000	15.5	33.3	175.2	762.7			15.2	32.5	167.6	708.6			98%	98%	96%	93%		
				10000000	14.1	31.1	180.2	1522.1	6315.8		14.7	33.5	189.5	1573.4	6235.1		104%	108%	105%	103%	99%	
				50000000	16.7	33.7	182.6	1634.8	13131.0	38156.6	16.7	32.7	184.0	1626.8	12878.4	38166.1	100%	97%	101%	100%	98%	100%
			10	1000000	14.7	32.6	186.7				14.7	32.0	170.7				100%	98%	91%			
				10000000	14.3	32.5	178.6	1517.2			14.8	33.2	178.0	1543.9			104%	102%	100%	102%		
				50000000	17.8	34.2	178.9	1675.7	12910.3		17.0	35.5	185.6	1668.2	13203.0		95%	104%	104%	100%	102%	
	xeon	5	1	1000000	13.6	15.2	21.0	79.4	336.0	688.0	14.1	13.3	20.4	74.9	339.0	696.8	104%	88%	97%	94%	101%	101%
				10000000	14.9	15.1	21.0	76.1	603.2	3059.8	13.2	14.1	21.0	74.9	605.9	3041.0	88%	93%	100%	98%	100%	99%
				100000000	13.2	17.2	22.2	74.0	592.7	5764.9	14.8	15.5	22.4	71.1	582.2	5715.2	112%	91%	101%	96%	98%	99%
			10	1000000	13.7	14.7	21.4	80.3	335.7		13.9	14.0	21.5	75.6	339.4		102%	95%	100%	94%	101%	
				10000000	13.1	14.4	20.5	76.2	606.6	3031.5	13.6	14.3	20.6	80.0	605.2	3089.2	103%	99%	100%	105%	100%	102%
				100000000	14.8	16.7	23.8	79.5	585.8	5659.9	14.2	15.9	22.3	72.4	589.7	5733.9	96%	95%	94%	91%	101%	101%
		10	1	1000000	14.5	15.7	28.9	119.1	459.7		13.9	16.0	28.6	119.0	457.9		96%	102%	99%	100%	100%	
				10000000	13.7	14.9	30.3	139.9	1038.0	4268.6	14.0	14.6	28.2	140.7	1033.3	4287.4	102%	98%	93%	101%	100%	100%
				100000000	14.7	17.1	30.8	127.3	1290.3	10182.6	14.4	17.0	29.5	123.0	1295.7	10186.6	98%	99%	96%	97%	100%	100%
			10	1000000	13.9	15.9	29.4	117.8			13.6	15.0	28.5	119.6			97%	94%	97%	102%		
				10000000	13.9	16.1	28.8	142.5	1031.0		14.0	15.6	26.2	142.7	1040.8		101%	97%	91%	100%	101%	
				100000000	14.6	17.3	28.8	127.0	1279.1	10335.5	15.5	17.4	30.1	127.7	1268.6	10334.7	106%	101%	104%	100%	99%	100%
		100	1	1000000	16.3	28.2	120.3	522.4			15.2	27.5	119.7	544.2			93%	98%	100%	104%		
				10000000	15.1	27.1	145.1	1038.9	4425.9		14.2	29.6	139.3	1036.6	4374.6		94%	109%	96%	100%	99%	
				100000000	17.1	29.2	123.6	1246.4	10172.4	47142.6	17.6	27.8	126.5	1267.9	10328.6	46698.4	103%	95%	102%	102%	102%	99%
			10	1000000	15.7	27.8	117.8				14.8	27.6	114.6				94%	99%	97%			
				10000000	16.3	28.2	147.8	1061.7			15.2	25.9	136.6	1064.2			93%	92%	92%	100%		
				100000000	18.0	28.9	127.9	1290.5	10393.9		17.0	27.1	122.8	1272.3	10364.4		94%	94%	96%	99%	100%	
sequential	i5	5	1	1000000	11.4	11.9	14.7	20.0	75.4	596.0	11.9	12.0	15.0	19.6	83.6	576.8	105%	101%	102%	98%	111%	97%
				10000000	12.3	12.0	13.5	19.8	71.3	587.9	11.7	12.2	13.8	18.9	71.8	572.4	95%	102%	102%	95%	101%	97%
				50000000	12.2	12.5	14.8	21.6	70.9	584.5	12.3	12.7	14.2	19.9	70.3	582.7	101%	101%	96%	92%	99%	100%
			10	1000000	12.0	11.8	13.7	21.1	75.5		12.5	12.2	16.3	20.3	73.0		104%	103%	119%	96%	97%	
				10000000	12.3	13.4	14.0	22.4	72.6	583.8	12.2	11.7	13.9	21.7	72.5	586.3	99%	87%	100%	97%	100%	100%
				50000000	12.6	12.1	15.2	19.5	74.5	581.1	12.3	13.0	15.8	23.1	77.3	581.8	97%	108%	104%	118%	104%	100%
		10	1	1000000	11.4	11.8	14.9	25.3	132.4		12.5	11.9	15.6	28.4	137.7		109%	101%	104%	112%	104%	
				10000000	11.9	11.6	16.2	26.5	126.7	1146.9	11.6	12.0	14.6	25.0	126.9	1139.1	97%	103%	90%	94%	100%	99%
				50000000	12.0	13.8	15.0	27.6	127.3	1148.7	12.4	12.5	14.3	24.9	126.6	1152.4	103%	90%	96%	90%	99%	100%

scan	index		cycle	cpu	sel	sub	rows		master						patched						pct				
						10	1000000	12.9	12.3	15.7	27.3			12.3	12.8	15.8	28.5			95%	104%	101%	104%		
							10000000	12.1	12.4	15.1	27.1	132.8		11.8	12.6	15.3	26.8	134.5		98%	102%	101%	99%	101%	
							50000000	12.5	13.0	15.4	30.6	133.5	1164.3	12.8	13.1	15.1	30.1	132.7	1153.7	102%	101%	98%	98%	99%	99%
					100	1	1000000	12.5	14.7	25.0	130.7			12.3	15.0	26.4	128.4			99%	102%	106%	98%		
							10000000	12.2	15.7	25.2	134.8	1175.5		12.7	15.1	25.1	127.0	1157.0		104%	96%	100%	94%	98%	
							50000000	12.9	17.3	25.6	126.8	1144.5	11181.0	14.0	17.4	25.1	127.0	1141.6	13918.2	108%	100%	98%	100%	100%	124%
						10	1000000	13.4	17.1	28.6				13.5	17.5	28.9				101%	102%	101%			
							10000000	13.6	17.3	32.1	154.1			15.1	18.0	27.6	150.9			111%	104%	86%	98%		
							50000000	14.3	19.6	28.4	153.9	1249.3		14.3	18.4	27.3	158.6	1237.6		100%	94%	96%	103%	99%	
				xeon	5	1	1000000	13.3	13.1	14.5	18.8	62.6	462.7	12.7	14.2	14.7	20.4	61.7	470.2	95%	108%	102%	109%	98%	102%
							10000000	13.4	13.4	14.1	19.9	61.8	475.9	13.4	14.3	14.4	19.2	61.4	468.5	100%	107%	102%	97%	99%	98%
							100000000	14.9	14.2	12.9	20.2	65.3	504.8	13.1	14.4	14.7	18.8	61.9	507.5	88%	102%	114%	93%	95%	101%
						10	1000000	13.4	13.7	15.0	20.0	64.2		14.3	14.1	14.1	20.7	63.6		106%	103%	94%	104%	99%	
							10000000	14.8	14.3	13.8	20.0	66.7	481.6	14.2	14.0	15.2	19.3	65.3	486.5	96%	98%	111%	96%	98%	101%
							100000000	15.5	13.3	15.4	22.2	67.5	599.6	14.7	14.2	15.1	19.3	66.8	546.1	95%	107%	98%	87%	99%	91%
					10	1	1000000	13.0	14.5	15.1	24.7	106.3		14.0	14.1	15.4	26.3	105.9		108%	98%	102%	107%	100%	
							10000000	14.2	13.3	14.8	25.8	107.8	977.8	13.5	12.8	15.8	24.4	109.2	931.2	95%	96%	107%	94%	101%	95%
							100000000	14.2	14.1	16.1	26.1	106.6	1194.4	12.9	14.1	15.0	24.1	107.1	1169.2	91%	99%	93%	92%	100%	98%
						10	1000000	13.0	14.9	15.8	27.8			14.4	14.7	15.8	28.0			111%	98%	100%	101%		
							10000000	14.5	14.0	15.7	27.4	119.4		13.8	14.2	15.8	27.3	116.7		95%	102%	101%	100%	98%	
							100000000	14.4	14.5	16.9	27.8	114.7	1222.0	13.6	14.4	15.8	26.7	114.4	1216.9	94%	99%	94%	96%	100%	100%
					100	1	1000000	13.6	16.4	25.7	109.2			14.0	16.0	24.7	107.2			103%	98%	96%	98%		
							10000000	14.0	14.3	25.2	107.9	957.6		15.1	14.8	25.3	109.0	927.0		108%	103%	101%	101%	97%	
							100000000	14.7	14.5	26.9	106.5	921.4	11241.6	13.3	14.5	24.7	107.8	1074.8	11398.2	91%	100%	92%	101%	117%	101%
						10	1000000	14.4	16.4	27.3				14.6	16.3	26.6				101%	99%	97%			
							10000000	13.6	16.3	27.9	136.7			15.8	17.1	27.6	137.9			116%	104%	99%	101%		
							100000000	14.5	16.4	26.4	137.7	1228.6		15.1	15.6	26.2	137.9	1005.1		104%	95%	99%	100%	82%	
indexscan	btree-saop	0	cycle	i5	5	1	1000000	11.0	12.5	29.8	200.6	1864.4	710.5	11.8	13.2	30.5	200.2	1858.5	661.9	107%	106%	102%	100%	100%	93%
							10000000	12.1	13.5	31.1	199.7	1849.2	18338.8	11.6	13.8	32.4	198.5	1842.5	18321.5	96%	102%	104%	99%	100%	100%
							50000000	12.4	14.7	33.1	200.7	1843.4	18435.5	11.8	14.0	33.3	203.4	1870.2	18481.8	95%	95%	101%	101%	101%	100%
						10	1000000	11.4	15.8	62.4	507.1	4265.6		11.9	16.9	65.3	511.3	4236.6		104%	107%	105%	101%	99%	
							10000000	11.8	15.9	61.5	504.6	4774.2	40690.6	11.6	16.7	63.3	504.4	4769.4	40950.4	98%	105%	103%	100%	100%	101%
							50000000	12.7	17.3	60.0	495.0	4804.1	46160.9	12.4	17.6	62.9	507.5	4799.5	46544.2	98%	102%	105%	103%	100%	101%
					10	1	1000000	11.3	12.9	34.5	237.5	2281.9		11.5	13.4	33.5	236.5	2322.6		102%	104%	97%	100%	102%	
							10000000	11.4	14.8	34.6	234.5	2220.9	22229.4	11.9	14.0	34.8	229.6	2236.4	22273.7	104%	94%	101%	98%	101%	100%
							50000000	12.2	16.5	38.7	234.8	2255.7	21920.5	12.3	15.7	39.2	236.4	2230.8	22088.6	100%	95%	101%	101%	99%	101%
						10	1000000	11.6	17.0	72.4	606.0			12.1	17.0	72.5	607.0			104%	100%	100%	100%		
							10000000	12.0	17.0	71.4	581.2	5742.8		12.3	17.7	71.8	600.7	5711.1		102%	104%	101%	103%	99%	
							50000000	12.8	19.3	72.9	593.7	5698.9	54716.7	12.7	19.5	72.2	599.7	5680.9	55515.4	99%	101%	99%	101%	100%	101%
					100	1	1000000	12.1	19.5	81.6	708.0			12.3	20.8	79.7	688.1			102%	107%	98%	97%		
							10000000	12.9	21.5	79.6	681.0	7072.9		13.7	23.3	81.2	693.0	6916.9		106%	108%	102%	102%	98%	
							50000000	13.2	21.5	83.0	729.9	6955.5	69183.1	13.2	21.0	80.2	688.9	6838.0	68879.7	100%	98%	97%	94%	98%	100%
						10	1000000	13.1	24.8	159.8				13.5	26.1	159.9				103%	105%	100%			
							10000000	12.8	26.0	156.6	1704.4			13.6	25.7	153.2	1691.6			106%	99%	98%	99%		
							50000000	14.9	25.2	154.8	1730.9	23455.7		14.7	25.4	157.8	1736.1	23836.7		99%	101%	102%	100%	102%	
				xeon	5	1	1000000	12.4	15.1	26.8	140.4	599.7	657.9	13.1	14.8	25.5	141.9	557.4	662.0	106%	98%	95%	101%	93%	101%
							10000000	13.8	15.3	26.4	144.9	1244.2	5658.8	13.1	14.3	26.8	144.8	1259.3	5672.2	95%	93%	102%	100%	101%	100%
							100000000	13.0	16.6	29.7	148.1	1318.5	12383.7	13.0	15.4	29.9	147.8	1320.1	12349.2	100%	93%	101%	100%	100%	100%
						10	1000000	13.3	16.0	47.3	355.9	1466.5		14.6	16.2	47.4	354.1	1614.3		110%	102%	100%	99%	110%	
							10000000	14.1	17.0	46.5	357.3	3357.1	15558.3	13.8	16.7	47.6	358.3	3364.6	15651.5	98%	98%	102%	100%	100%	101%
							100000000	13.6	17.8	49.8	359.5	3420.9	32906.3	14.4	17.3	50.0	358.0	3398.6	33032.0	106%	98%	100%	100%	99%	100%
					10	1	1000000	14.0	15.1	29.2	169.5	836.0		13.4	14.3	30.3	169.8	894.1		95%	95%	104%	100%	107%	
							10000000	12.4	14.5	29.1	174.1	1515.4	8658.5	13.2	14.3	30.0	176.3	1530.5	8617.4	107%	98%	103%	101%	101%	100%
							100000000	13.9	15.4	32.8	174.8	1621.5	15289.8	12.8	16.3	33.5	177.6	1610.8	15411.0	92%	106%	102%	102%	99%	101%
						10	1000000	15.0	18.1	55.2	425.1			13.3	16.6	53.6	424.4			89%	92%	97%	100%		
							10000000	14.1	18.6	54.3	422.8	4058.4		13.0	17.4	54.5	433.0	4044.0		92%	94%	100%	102%	100%	
							100000000	13.9	18.6	57.0	426.3	4104.1	39039.3	14.6	17.4	54.2	427.3	4084.3	39258.1	105%	93%	95%	100%	100%	101%
					100	1	1000000	14.7	17.5	62.1	505.7			13.8	18.0	63.5	509.9			94%	103%	102%	101%		
							10000000	13.7	18.6	64.0	502.9	4921.6		13.8	18.3	61.9	504.3	4935.2		101%	98%	97%	100%	100%	
							100000000	15.1	18.5	64.7	518.1	5055.8	53308.6	14.4	18.7	63.2	516.3	5141.0	53485.1	95%	101%	98%	100%	102%	100%

cat	cpu	a	b	size	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	r1	r2	r3	r4	r5	r6
			10	1000000	14.6	22.2	101.0				15.7	22.7	100.5				107%	102%	100%			
				10000000	14.5	23.3	98.0	1038.1			14.3	23.7	99.4	1021.6			99%	102%	101%	98%		
				100000000	14.7	22.6	103.2	1061.7	9913.0		14.8	23.0	102.5	1063.9	9898.4		101%	102%	99%	100%	100%	
random	i5	5	1	1000000	11.9	18.4	89.9	787.2	1132.3	724.9	12.0	18.7	87.8	777.1	1156.6	672.8	101%	101%	98%	99%	102%	93%
				10000000	12.0	18.8	92.0	770.9	7421.9	10431.6	12.9	18.8	94.3	770.6	7222.1	10504.1	108%	100%	102%	100%	97%	101%
				50000000	13.9	20.0	95.0	784.7	7669.1	61585.4	12.6	19.8	91.5	772.4	7701.3	62111.4	91%	99%	96%	98%	100%	101%
			10	1000000	11.7	18.9	93.8	753.6	1218.2		12.9	19.3	89.2	772.3	1140.6		110%	102%	95%	102%	94%	
				10000000	12.1	18.4	93.1	765.1	7087.5	10466.3	12.6	19.1	87.6	783.8	7322.9	10493.0	104%	104%	94%	102%	103%	100%
				50000000	13.2	20.2	97.3	782.7	7679.4	61350.5	13.1	20.0	93.6	780.1	7664.7	62574.0	99%	99%	96%	100%	100%	102%
		10	1	1000000	12.0	25.9	165.0	1390.3	1250.2		13.1	26.1	162.9	1340.2	1241.1		109%	101%	99%	96%	99%	
				10000000	13.0	25.1	164.1	1518.2	12966.6	11796.8	13.6	26.5	167.3	1542.1	13174.3	11770.4	105%	106%	102%	102%	102%	100%
				50000000	13.7	27.1	167.7	1542.2	15226.2	113289.1	14.1	30.0	168.4	1561.7	15189.8	114337.2	103%	111%	100%	101%	100%	101%
			10	1000000	13.0	27.8	162.2	1448.0			13.5	26.7	167.4	1409.9			103%	96%	103%	97%		
				10000000	13.1	27.4	167.3	1551.0	12901.3		13.3	26.1	168.5	1532.7	13062.4		102%	95%	101%	99%	101%	
				50000000	14.4	30.3	167.2	1555.2	14734.1	113491.4	14.6	28.1	170.9	1572.1	15061.6	114257.8	102%	93%	102%	101%	102%	101%
		100	1	1000000	28.6	160.5	1409.9	3365.6			29.5	167.2	1401.7	3528.9			103%	104%	99%	105%		
				10000000	26.2	163.3	1536.6	13795.6	32708.3		25.5	165.1	1529.9	13889.7	32810.4		97%	101%	100%	101%	100%	
				50000000	31.0	171.7	1538.2	15015.2	116037.5	1096151.	28.4	166.4	1587.3	15059.0	115497.0	1102487.	92%	97%	103%	100%	100%	101%
			10	1000000	27.5	167.2	1434.7				28.1	172.5	1421.7				102%	103%	99%			
				10000000	28.2	171.8	1528.3	13730.9			27.3	163.0	1564.7	13754.3			97%	95%	102%	100%		
				50000000	31.0	166.1	1549.7	14962.5	115750.5		28.1	175.2	1533.4	15140.7	115875.1		91%	105%	99%	101%	100%	
	xeon	5	1	1000000	13.7	19.5	67.6	539.0	798.5	710.2	14.0	18.2	65.7	538.6	797.5	759.9	102%	94%	97%	100%	100%	107%
				10000000	12.9	19.9	67.5	553.7	5117.7	7348.5	14.0	18.9	65.9	552.8	5141.6	7413.6	109%	95%	98%	100%	100%	101%
				100000000	13.9	21.2	70.4	562.6	5389.4	50604.8	14.9	18.5	69.3	566.9	5402.0	50510.1	107%	87%	98%	101%	100%	100%
			10	1000000	12.9	18.3	66.8	530.1	765.5		13.9	18.2	67.9	539.2	803.1		108%	100%	102%	102%	105%	
				10000000	13.5	19.7	66.8	566.5	5166.6	7485.3	13.7	19.4	67.3	563.2	5148.4	7387.3	102%	99%	101%	99%	100%	99%
				100000000	14.2	21.2	72.2	566.7	5416.5	50475.7	14.5	21.8	70.1	573.2	5452.5	50667.5	102%	103%	97%	101%	101%	100%
		10	1	1000000	13.8	24.0	125.6	988.5	896.8		14.0	24.1	125.6	1004.7	905.0		101%	100%	100%	102%	101%	
				10000000	14.6	24.6	127.5	1089.5	9737.6	9256.1	13.5	23.4	125.5	1098.5	9754.8	9204.4	92%	95%	98%	101%	100%	99%
				100000000	15.2	25.6	130.0	1106.0	10766.5	95719.0	16.0	26.1	125.9	1091.5	10767.8	95754.6	105%	102%	97%	99%	100%	100%
			10	1000000	14.1	24.4	124.9	996.3			14.4	26.4	125.3	996.5			102%	108%	100%	100%		
				10000000	14.8	24.5	122.5	1085.8	9735.6		15.0	24.7	122.6	1089.7	9784.8		101%	101%	100%	100%	101%	
				100000000	15.5	27.1	122.4	1111.1	10787.5	95742.8	15.2	26.0	128.7	1117.2	10735.8	96163.5	98%	96%	105%	101%	100%	100%
		100	1	1000000	22.9	120.4	979.9	2635.5			24.8	125.4	986.8	2644.4			109%	104%	101%	100%		
				10000000	23.5	124.3	1086.2	9856.7	26506.7		25.1	126.3	1097.7	9840.1	26552.7		107%	102%	101%	100%	100%	
				100000000	27.9	126.6	1102.1	10802.6	96467.7	269143.3	27.8	129.7	1102.9	10757.7	96320.3	268674.7	100%	102%	100%	100%	100%	100%
			10	1000000	24.7	122.0	996.8				24.8	123.6	989.0				100%	101%	99%			
				10000000	23.9	123.6	1094.9	9855.9			25.1	124.1	1094.4	9861.3			105%	100%	100%	100%		
				100000000	26.7	126.3	1103.1	10749.2	96053.6		27.0	131.8	1089.3	10762.7	96387.1		101%	104%	99%	100%	100%	
sequential	i5	5	1	1000000	11.2	11.5	16.3	21.3	54.3	387.2	12.1	11.9	15.9	19.7	52.2	391.4	108%	103%	98%	93%	96%	101%
				10000000	11.8	12.0	13.7	18.3	51.8	401.4	11.6	12.3	14.9	17.8	52.3	389.2	99%	103%	109%	97%	101%	97%
				50000000	12.1	12.0	15.6	19.0	56.4	394.4	11.8	12.3	14.3	19.8	64.3	392.0	97%	103%	92%	104%	114%	99%
			10	1000000	11.5	12.5	16.2	25.7	70.9		12.7	12.5	17.5	25.9	73.8		110%	99%	108%	101%	104%	
				10000000	11.9	12.5	16.4	21.9	60.8	399.8	12.4	13.0	15.6	23.5	60.5	401.5	104%	104%	96%	107%	99%	100%
				50000000	12.4	12.8	16.6	22.5	60.2	411.4	12.4	12.7	16.0	22.8	63.1	412.3	101%	100%	96%	101%	105%	100%
		10	1	1000000	11.4	12.2	14.4	21.7	91.4		11.7	12.5	16.0	24.5	93.0		103%	103%	111%	113%	102%	
				10000000	11.6	12.1	15.2	22.7	90.4	763.7	12.2	12.1	15.5	22.4	92.4	763.8	105%	100%	102%	99%	102%	100%
				50000000	12.1	12.9	15.0	22.2	94.0	769.1	12.5	13.4	14.9	25.8	91.5	765.3	102%	104%	99%	116%	97%	100%
			10	1000000	12.0	12.3	19.0	33.5			11.9	13.3	18.6	35.0			99%	108%	98%	105%		
				10000000	12.3	12.4	18.8	31.3	108.5		12.3	12.7	18.7	32.0	109.4		100%	103%	100%	102%	101%	
				50000000	12.5	13.4	18.3	35.8	112.2	791.0	12.9	14.3	18.5	35.2	108.5	809.3	103%	107%	101%	99%	97%	102%
		100	1	1000000	11.9	15.4	23.0	90.2			12.3	15.6	22.7	91.8			103%	101%	99%	102%		
				10000000	13.8	15.1	24.0	90.2	768.9		12.8	15.1	24.9	92.5	770.0		93%	99%	104%	102%	100%	
				50000000	13.4	17.7	23.4	91.3	766.3	9891.1	14.1	17.9	23.1	92.6	775.8	10056.3	105%	102%	99%	102%	101%	102%
			10	1000000	13.6	18.6	68.8				13.3	19.6	67.7				98%	105%	98%			
				10000000	13.0	18.4	68.9	236.6			13.3	21.3	67.7	211.9			102%	116%	98%	90%		
				50000000	14.7	20.2	66.7	211.9	969.7		15.6	19.0	66.8	215.2	969.1		106%	94%	100%	102%	100%	
	xeon	5	1	1000000	13.1	13.6	14.8	19.1	58.8	423.3	13.0	14.4	14.8	19.9	56.6	413.9	99%	106%	100%	105%	96%	98%
				10000000	13.2	12.8	14.9	19.5	55.6	415.4	13.6	13.7	15.2	19.5	57.8	410.9	103%	107%	102%	100%	104%	99%
				100000000	13.7	14.1	14.3	19.6	56.5	468.7	13.2	14.0	14.7	18.4	57.0	488.0	97%	99%	103%	94%	101%	104%

					Size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	%	%	%	%	%	%
				10	1000000	13.3	13.6	15.9	22.6	62.6		13.1	15.3	15.3	23.6	62.0		99%	112%	96%	105%	99%	
					10000000	13.4	13.6	16.3	22.7	61.2	422.6	14.6	14.5	16.5	21.8	61.3	430.8	108%	107%	101%	96%	100%	102%
					100000000	14.8	14.0	16.1	23.7	62.1	540.5	13.2	13.8	16.0	21.8	62.2	449.0	89%	98%	99%	92%	100%	83%
			10	1	1000000	14.1	13.2	14.2	23.7	96.3		13.4	13.6	15.3	24.2	95.2		95%	103%	108%	102%	99%	
					10000000	14.3	14.2	15.4	24.8	98.6	934.1	14.8	12.3	14.8	23.1	95.9	927.8	103%	86%	96%	93%	97%	99%
					100000000	15.1	12.8	16.1	25.7	97.9	971.5	14.6	15.0	14.8	23.1	96.1	990.4	97%	117%	92%	90%	98%	102%
				10	1000000	12.7	14.6	18.5	31.4			13.8	15.3	19.3	33.6			108%	105%	104%	107%		
					10000000	13.4	14.1	18.6	31.4	108.8		12.9	13.8	19.3	31.0	110.2		96%	98%	104%	99%	101%	
					100000000	14.5	15.4	18.7	33.2	110.6	1027.2	13.5	15.4	17.9	31.3	111.0	1089.9	93%	100%	95%	94%	100%	106%
			100	1	1000000	12.9	15.5	23.7	98.2			14.6	15.8	24.4	96.6			113%	102%	103%	98%		
					10000000	14.4	14.1	24.7	93.6	944.8		15.1	15.4	24.0	102.1	815.7		105%	109%	97%	109%	86%	
					100000000	14.5	14.7	25.3	98.6	1011.6	10252.2	12.8	15.0	24.0	98.2	1038.5	10467.4	88%	102%	95%	100%	103%	102%
				10	1000000	14.9	19.4	57.0				14.8	19.1	55.1				100%	99%	97%			
					10000000	15.0	18.6	56.4	191.5			15.3	19.8	54.6	188.4			102%	107%	97%	98%		
					100000000	15.8	18.9	54.3	187.5	1037.6		14.4	18.7	53.0	190.2	1051.4		91%	99%	98%	101%	101%	
32	cycle	i5	5	1	1000000	10.9	12.8	29.6	199.4	1861.4	654.6	11.4	12.2	17.2	49.3	335.4	692.5	104%	95%	58%	25%	18%	106%
					10000000	11.3	13.2	31.5	198.2	1824.2	18576.9	11.7	12.9	17.2	47.7	327.3	3195.4	104%	98%	55%	24%	18%	17%
					50000000	11.9	14.2	35.2	198.3	1858.7	18383.5	12.4	13.3	18.9	50.0	330.6	3093.1	104%	94%	54%	25%	18%	17%
			10		1000000	11.5	15.8	61.6	504.5	4294.8		11.6	13.5	20.3	66.3	507.2		101%	86%	33%	13%	12%	
					10000000	11.7	15.9	63.6	502.6	4855.5	41045.4	12.1	13.6	19.7	66.3	509.5	4382.6	104%	86%	31%	13%	10%	11%
					50000000	12.2	17.4	64.4	499.1	4789.6	46490.0	12.1	14.4	21.0	64.5	502.2	4350.6	99%	82%	33%	13%	10%	9%
			10	1	1000000	11.4	13.2	36.5	233.0	2254.2		11.5	12.8	18.8	67.2	535.6		101%	97%	52%	29%	24%	
					10000000	11.4	14.2	36.4	232.1	2206.2	22200.8	11.9	12.9	20.4	66.8	522.2	5095.8	105%	91%	56%	29%	24%	23%
					50000000	12.0	18.7	38.7	240.6	2247.1	22108.5	11.7	14.4	20.1	68.9	518.8	4927.3	97%	77%	52%	29%	23%	22%
				10	1000000	11.6	16.8	72.2	605.4			12.3	14.0	25.0	107.1			106%	83%	35%	18%		
					10000000	12.2	17.2	71.5	583.2	5649.0		12.5	15.4	26.2	105.7	901.2		103%	90%	37%	18%	16%	
					50000000	12.8	20.6	75.0	598.2	5711.3	55314.3	12.5	16.4	30.5	108.0	918.5	7617.3	98%	79%	41%	18%	16%	14%
			100	1	1000000	11.7	19.5	84.5	689.0			12.4	22.8	57.2	418.7			105%	117%	68%	61%		
					10000000	13.2	19.9	80.9	694.7	6909.0		12.9	20.9	58.6	410.4	3824.9		97%	105%	72%	59%	55%	
					50000000	13.8	22.8	81.5	686.0	6905.9	69292.0	13.2	22.3	59.0	413.4	3876.7	38084.1	95%	98%	72%	60%	56%	55%
				10	1000000	13.0	25.2	158.5				13.2	36.7	102.4				101%	146%	65%			
					10000000	12.9	25.0	158.3	1725.8			13.8	36.7	101.2	834.3			107%	147%	64%	48%		
					50000000	14.1	25.5	157.0	1711.1	23525.1		14.6	39.2	103.7	830.2	7417.3		103%	153%	66%	49%	32%	
		xeon	5	1	1000000	13.6	14.9	25.7	138.7	609.2	633.8	13.7	13.5	15.7	37.0	239.1	879.6	101%	91%	61%	27%	39%	139%
					10000000	14.1	15.0	27.1	143.2	1251.7	5678.2	14.0	14.4	17.6	37.9	249.7	2326.5	99%	96%	65%	26%	20%	41%
					100000000	13.6	16.2	29.7	147.1	1321.9	12483.2	13.7	14.3	19.0	39.5	230.9	2512.5	101%	88%	64%	27%	17%	20%
			10		1000000	13.4	17.1	47.1	354.0	1632.6		13.6	14.6	17.8	50.8	469.4		102%	85%	38%	14%	29%	
					10000000	12.9	16.1	46.0	358.3	3347.8	15696.2	13.2	14.9	18.3	48.8	370.6	4478.4	102%	93%	40%	14%	11%	29%
					100000000	14.2	19.0	48.5	354.6	3403.1	32777.9	13.4	15.7	21.0	51.6	336.0	3304.7	94%	82%	43%	15%	10%	10%
			10	1	1000000	14.5	16.4	29.3	167.9	788.8		13.3	13.8	17.9	51.6	378.0		92%	84%	61%	31%	48%	
					10000000	12.7	14.7	28.7	170.6	1538.9	8547.9	13.4	13.9	18.8	52.6	387.9	3830.9	106%	95%	66%	31%	25%	45%
					100000000	14.6	16.1	32.7	176.1	1603.9	15264.1	13.5	15.1	20.7	54.9	376.7	3991.4	93%	93%	63%	31%	23%	26%
				10	1000000	14.5	17.0	52.9	426.5			13.6	15.7	21.3	79.3			94%	92%	40%	19%		
					10000000	13.7	17.6	54.0	419.1	4050.2		13.4	15.8	21.8	77.9	664.6		98%	90%	40%	19%	16%	
					100000000	14.8	17.8	56.0	423.0	4102.5	39037.1	14.2	16.0	22.3	81.6	611.0	5918.9	96%	90%	40%	19%	15%	15%
			100	1	1000000	14.4	17.7	64.4	507.7			14.6	18.9	45.9	301.3			102%	107%	71%	59%		
					10000000	13.9	18.8	63.0	507.2	4937.8		14.1	18.8	45.8	303.6	2890.8		102%	100%	73%	60%	59%	
					100000000	14.7	17.9	67.0	523.5	5073.8	53227.8	14.6	20.3	48.4	303.2	2997.4	31150.9	99%	113%	72%	58%	59%	59%
				10	1000000	14.5	22.5	99.7				14.3	29.1	77.5				99%	129%	78%			
					10000000	14.5	22.8	99.5	1056.1			14.8	29.5	73.6	569.7			102%	130%	74%	54%		
					100000000	14.7	22.2	103.6	1045.6	10010.9		15.3	30.9	76.9	580.7	5028.3		104%	139%	74%	56%	50%	
	random	i5	5	1	1000000	12.1	19.3	87.4	764.0	1147.6	687.5	12.1	14.0	24.8	97.2	570.3	1402.0	100%	73%	28%	13%	50%	204%
					10000000	11.9	18.4	86.8	773.6	7213.7	10465.1	12.4	13.4	22.5	98.8	797.3	4922.0	104%	73%	26%	13%	11%	47%
					50000000	12.9	19.3	88.8	813.3	7676.7	61508.8	13.0	15.3	23.7	101.2	844.3	6406.3	101%	79%	27%	12%	11%	10%
			10		1000000	12.4	18.5	87.4	749.3	1145.2		12.2	13.8	23.8	94.7	571.4		98%	75%	27%	13%	50%	
					10000000	11.8	18.8	91.8	784.3	7251.8	10467.9	12.6	13.3	22.9	97.5	799.7	4949.2	107%	71%	25%	12%	11%	47%
					50000000	12.3	21.9	89.6	778.5	7950.8	61664.3	13.1	15.2	25.9	98.9	844.9	6410.3	107%	70%	29%	13%	11%	10%
			10	1	1000000	12.6	25.4	165.9	1414.8	1217.8		13.2	16.6	33.5	164.0	807.5		105%	65%	20%	12%	66%	
					10000000	12.8	25.2	163.9	1538.2	13256.3	11805.6	13.2	16.3	31.7	177.9	1501.8	7699.4	104%	65%	19%	12%	11%	65%
					50000000	13.8	28.3	165.8	1529.2	15162.2	113872.3	13.8	18.5	33.0	183.2	1622.6	12114.6	100%	66%	20%	12%	11%	11%

type	machine	c1	c2	size	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	r1	r2	r3	r4	r5	r6
			10	1000000	12.5	27.1	166.3	1405.1			13.0	15.2	33.6	168.6			104%	56%	20%	12%		
				10000000	13.0	27.4	170.5	1530.7	12976.7		13.2	15.6	31.7	181.3	1519.1		101%	57%	19%	12%	12%	
				50000000	14.0	29.0	170.4	1545.3	15207.8	113313.1	13.6	17.5	33.8	184.3	1647.3	11734.6	97%	60%	20%	12%	11%	10%
		100	1	1000000	25.0	165.1	1423.0	3394.7			24.1	42.9	170.9	845.0			96%	26%	12%	25%		
				10000000	26.0	173.9	1535.0	13836.9	32400.3		22.2	44.2	192.8	1567.0	8005.9		85%	25%	13%	11%	25%	
				50000000	28.4	169.4	1543.0	15007.3	116109.9	1100083.	23.4	43.0	187.7	1626.1	11830.7	108554.7	82%	25%	12%	11%	10%	10%
			10	1000000	25.0	169.3	1428.3				23.1	44.6	170.7				92%	26%	12%			
				10000000	25.9	173.8	1516.8	13817.8			22.7	43.7	184.9	1533.8			88%	25%	12%	11%		
				50000000	30.0	172.8	1546.4	15177.8	115632.9		24.3	45.8	188.7	1647.3	11817.9		81%	27%	12%	11%	10%	
	xeon	5	1	1000000	13.5	19.6	66.3	528.5	800.3	682.0	13.9	14.3	19.6	75.6	456.0	1092.3	103%	73%	30%	14%	57%	160%
				10000000	14.2	19.6	67.7	555.1	5161.4	7468.2	13.1	15.1	20.4	71.2	606.5	4464.5	92%	77%	30%	13%	12%	60%
				100000000	13.3	20.6	69.0	573.2	5410.7	50673.6	14.4	17.2	23.8	70.3	517.7	5458.5	108%	83%	34%	12%	10%	11%
			10	1000000	13.3	19.2	70.7	536.9	777.7		13.8	14.3	21.9	72.6	452.5		104%	74%	31%	14%	58%	
				10000000	13.7	18.2	67.1	555.5	5121.3	7310.2	13.1	14.5	20.2	76.5	604.2	4437.3	96%	79%	30%	14%	12%	61%
				100000000	14.5	21.3	70.9	561.7	5433.1	50407.0	13.2	16.7	23.0	71.3	525.5	5405.1	91%	78%	33%	13%	10%	11%
		10	1	1000000	14.2	24.7	123.3	988.3	879.3		14.0	16.2	27.6	127.4	742.9		99%	66%	22%	13%	84%	
				10000000	13.9	24.0	123.5	1096.5	9692.6	9167.3	14.1	15.4	28.1	122.8	1148.5	7541.0	102%	64%	23%	11%	12%	82%
				100000000	14.5	26.4	124.8	1103.2	10769.2	95428.2	14.2	17.8	30.0	123.7	1036.1	10250.0	98%	67%	24%	11%	10%	11%
			10	1000000	14.6	24.7	124.6	996.6			14.5	16.0	27.3	129.0			99%	65%	22%	13%		
				10000000	14.1	26.6	122.4	1086.3	9725.1		13.8	16.7	25.4	126.1	1147.8		98%	63%	21%	12%	12%	
				100000000	16.0	27.0	125.5	1104.3	10791.3	95876.4	14.7	18.8	30.8	125.4	1006.1	10385.7	92%	70%	25%	11%	9%	11%
		100	1	1000000	25.4	123.8	984.5	2612.5			20.3	34.7	118.2	605.3			80%	28%	12%	23%		
				10000000	24.3	120.9	1091.0	9846.1	26597.6		20.6	37.1	130.5	977.5	6313.5		85%	31%	12%	10%	24%	
				100000000	26.7	125.8	1091.4	10801.4	96415.3	269089.6	23.5	38.8	131.5	1061.9	7822.2	69833.3	88%	31%	12%	10%	8%	26%
			10	1000000	24.4	124.5	994.6				20.6	36.0	115.3				84%	29%	12%			
				10000000	23.4	124.9	1090.1	9832.7			21.1	34.2	128.5	1000.5			90%	27%	12%	10%		
				100000000	28.8	128.5	1105.4	10793.9	96297.8		23.7	36.7	132.9	1055.6	7649.5		82%	29%	12%	10%	8%	
sequential	i5	5	1	1000000	10.9	11.1	13.3	18.3	64.1	385.5	11.6	12.0	16.4	38.3	200.3	1672.0	106%	108%	123%	210%	312%	434%
				10000000	11.1	11.8	13.4	20.7	51.9	388.0	11.6	11.9	15.8	37.0	191.5	1692.2	105%	101%	118%	179%	369%	436%
				50000000	11.9	12.0	14.5	18.7	52.4	403.3	11.7	12.0	17.0	35.1	196.6	1683.3	99%	100%	118%	187%	375%	417%
			10	1000000	12.1	12.3	15.3	22.6	62.7		11.9	12.3	16.0	45.5	224.0		99%	100%	104%	201%	358%	
				10000000	11.6	12.2	15.9	25.9	60.4	402.9	11.8	12.5	15.9	45.3	208.4	1710.1	101%	103%	100%	175%	345%	424%
				50000000	12.2	12.7	16.6	23.7	61.6	404.2	12.3	12.5	16.9	46.6	219.2	1723.2	101%	98%	102%	197%	356%	426%
		10	1	1000000	11.6	12.0	15.1	22.0	91.2		11.9	12.0	19.7	50.8	370.9		103%	101%	131%	231%	407%	
				10000000	11.5	11.8	15.6	22.8	90.0	765.2	11.7	12.3	21.5	53.7	358.4	3324.9	102%	104%	138%	236%	398%	434%
				50000000	11.9	13.8	15.2	21.3	92.3	768.3	11.9	12.9	19.7	54.4	366.5	3354.1	100%	94%	130%	256%	397%	437%
			10	1000000	12.2	12.4	18.2	31.2			12.2	13.3	20.5	75.0			100%	107%	112%	240%		
				10000000	11.7	12.6	19.5	32.0	108.7		12.3	13.8	19.6	74.2	403.4		105%	110%	101%	232%	371%	
				50000000	12.5	14.0	18.2	32.6	110.7	787.9	12.7	14.5	20.0	72.0	407.3	3393.6	101%	104%	110%	221%	368%	431%
		100	1	1000000	12.1	14.7	22.4	91.4			13.1	18.8	73.5	373.3			109%	128%	328%	409%		
				10000000	15.0	15.0	24.6	98.8	765.3		12.3	19.5	71.7	382.0	3386.8		82%	130%	291%	387%	443%	
				50000000	13.0	16.3	22.0	95.1	783.9	9954.0	13.7	18.2	72.5	372.2	3349.6	32566.7	105%	112%	329%	391%	427%	327%
			10	1000000	12.8	18.5	68.9				13.5	30.9	81.6				105%	167%	119%			
				10000000	13.3	18.5	67.6	211.1			13.5	31.6	86.6	611.4			102%	171%	128%	290%		
				50000000	15.8	20.0	67.5	231.6	989.2		13.9	31.1	83.9	633.6	3866.9		88%	155%	124%	274%	391%	
	xeon	5	1	1000000	13.4	13.0	14.6	18.7	55.6	413.0	12.9	14.3	14.5	28.1	119.2	799.5	96%	111%	99%	150%	214%	194%
				10000000	13.4	13.7	15.1	19.3	57.0	441.1	13.9	12.6	15.1	28.2	116.5	883.8	104%	92%	100%	147%	204%	200%
				100000000	14.8	14.0	13.6	20.0	57.8	491.4	12.3	14.4	15.1	27.4	117.0	862.0	83%	103%	111%	137%	202%	175%
			10	1000000	13.1	13.9	16.4	21.8	63.3		14.3	13.9	15.3	29.3	154.4		109%	100%	93%	134%	244%	
				10000000	14.7	13.9	14.8	22.2	62.7	427.2	13.3	14.3	15.9	27.9	155.2	1014.2	91%	103%	108%	125%	248%	237%
				100000000	14.5	14.4	16.5	24.2	63.6	446.8	14.4	13.9	15.4	28.3	153.5	1106.7	99%	96%	94%	117%	241%	248%
		10	1	1000000	12.7	14.0	14.9	25.1	101.1		13.4	14.4	16.8	42.7	212.3		106%	103%	112%	170%	210%	
				10000000	13.3	13.8	15.4	24.3	95.5	1031.7	13.0	13.5	17.3	41.4	213.9	1702.3	97%	98%	112%	170%	224%	165%
				100000000	14.4	15.0	15.9	25.4	96.9	997.6	13.1	13.7	16.4	41.6	213.3	1713.6	91%	91%	103%	164%	220%	172%
			10	1000000	13.1	15.1	17.6	32.8			14.0	15.2	17.6	46.6			107%	101%	100%	142%		
				10000000	14.3	14.4	17.7	31.2	108.6		13.2	14.8	17.6	45.0	294.8		92%	103%	100%	144%	271%	
				100000000	14.1	15.4	19.5	32.1	108.4	1077.5	12.7	14.9	17.5	44.9	294.9	2174.4	90%	96%	89%	140%	272%	202%
		100	1	1000000	13.1	16.4	24.2	97.5			13.9	17.9	44.5	231.0			106%	109%	184%	237%		
				10000000	14.3	14.9	25.3	98.0	902.7		14.7	17.6	43.6	215.8	1512.4		103%	118%	173%	220%	168%	
				100000000	15.0	14.6	25.1	97.2	820.2	10041.7	13.1	17.2	43.7	214.4	1585.1	16394.4	87%	118%	174%	221%	193%	163%

scan	index		pat	cpu	a	b	rows	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	%1	%2	%3	%4	%5	%6
						10	1000000	13.6	19.4	56.0				14.9	27.5	43.3				110%	141%	77%			
							10000000	13.4	17.9	53.8	195.7			15.6	26.8	44.6	327.9			117%	150%	83%	168%		
							100000000	14.5	19.8	53.8	189.3	944.5		14.9	26.9	44.1	328.1	3035.1		103%	135%	82%	173%	321%	
seqscan	btree-saop	0	cycle	i5	5	1	1000000	372.3	397.4	382.2	374.0	424.7	511.5	388.1	339.0	354.5	361.5	366.0	463.1	104%	85%	93%	97%	86%	91%
							10000000	3455.9	3249.1	3403.5	3468.5	3256.1	3317.0	3123.9	3085.9	3105.6	3179.7	3132.6	3281.7	90%	95%	91%	92%	96%	99%
							50000000	17665.6	15513.1	15536.4	15630.8	15709.9	15841.7	15657.3	15542.9	15488.2	15527.6	15678.1	15890.9	89%	100%	100%	99%	100%	100%
						10	1000000	366.7	394.4	383.9	389.8	410.6		379.4	332.7	358.3	372.0	358.0		103%	84%	93%	95%	87%	
							10000000	3399.3	3395.0	3148.6	3181.8	3182.0	3338.4	3116.9	3113.8	3133.5	3168.1	3180.6	3332.3	92%	92%	100%	100%	100%	100%
							50000000	15573.3	15538.3	15603.3	15513.0	15636.7	15693.1	15600.3	15510.0	15540.3	15559.6	15562.2	15975.9	100%	100%	100%	100%	100%	102%
					10	1	1000000	349.1	351.5	385.1	350.1	444.6		350.9	364.9	347.0	366.4	408.7		101%	104%	90%	105%	92%	
							10000000	3119.0	3146.8	3422.1	3201.9	3127.2	3339.2	3134.4	3072.1	3066.5	3176.1	3171.8	3330.0	100%	98%	90%	99%	101%	100%
							50000000	15407.0	15324.5	15923.5	15357.1	15376.4	16680.6	15459.7	15408.3	15352.8	15363.4	15442.7	16308.1	100%	101%	96%	100%	100%	98%
						10	1000000	400.8	335.4	386.5	357.6			351.5	330.8	351.6	368.7			88%	99%	91%	103%		
							10000000	3098.7	3133.6	3268.1	3156.9	3166.3		3109.3	3138.4	3076.8	3165.0	3131.1		100%	100%	94%	100%	99%	
							50000000	15405.2	15367.6	15558.5	15347.1	15396.2	16000.8	15388.5	15377.2	15350.5	15423.0	15482.4	16038.6	100%	100%	99%	100%	101%	100%
					100	1	1000000	388.4	380.6	376.1	378.1			324.9	377.9	381.5	364.9			84%	99%	101%	97%		
							10000000	3149.3	3122.4	3132.0	3223.9	3628.1		3328.7	3369.5	3092.7	3178.9	3579.8		106%	108%	99%	99%	99%	
							50000000	15449.0	15371.8	15335.8	15521.0	16072.7	21736.1	15483.7	15416.1	17135.2	15318.7	15682.3	23522.6	100%	100%	112%	99%	98%	108%
						10	1000000	357.5	337.6	397.1				356.3	362.3	344.8				100%	107%	87%			
							10000000	3163.1	3066.9	3162.9	3173.6			3123.5	3115.7	3103.1	3117.6			99%	102%	98%	98%		
							50000000	15321.2	15987.0	15424.5	15497.9	16413.2		15485.9	15411.5	15516.8	15587.2	16034.2		101%	96%	101%	101%	98%	
				xeon	5	1	1000000	268.9	266.6	235.1	270.1	248.8	392.6	267.9	269.6	270.0	272.4	283.7	392.8	100%	101%	115%	101%	114%	100%
							10000000	2328	2303.8	2319.4	2257.4	2312.5	2501.9	2327.4	2278.3	2333.4	2365.4	2356.1	2374.1	100%	99%	101%	105%	102%	95%
							100000000	22438.1	22431.7	22671.6	22634.9	22654.6	22605.3	22476.0	22343.9	22613.2	22682.6	22551.9	22576.6	100%	100%	100%	100%	100%	100%
						10	1000000	268.9	270.3	269.8	273.0	244.7		270.5	265.8	235.8	269.9	284.9		101%	98%	87%	99%	116%	
							10000000	2301.7	2333.4	2289.1	2280.5	2287.9	2505.3	2364.9	2292.5	2318.2	2344.7	2314.5	2396.8	103%	98%	101%	103%	101%	96%
							100000000	22439.0	22458.5	22604.8	22601.4	22611.2	22542.6	22403.9	22354.1	22585.5	22596.3	22553.3	22769.1	100%	100%	100%	100%	100%	101%
					10	1	1000000	264.7	265.7	264.3	233.1	298.0		262.2	267.1	264.4	267.4	295.1		99%	101%	100%	115%	99%	
							10000000	2318.8	2327.8	2318.1	2332.0	2337.3	2479.4	2322.8	2331.9	2302.2	2340.3	2306.1	2469.9	100%	100%	99%	99%	99%	100%
							100000000	22611.5	22633.9	22568.6	22537.8	22592.6	22618.6	22728.8	22553.4	22642.4	22610.7	22572.8	22668.2	101%	100%	100%	100%	100%	100%
						10	1000000	264.8	267.5	265.8	268.7			265.7	264.6	264.3	263.7			100%	99%	99%	98%		
							10000000	2320.3	2325.6	2311.9	2328.1	2326.2		2312.9	2338.5	2316.0	2332.6	2315.1		100%	101%	100%	100%	100%	
							100000000	22459.3	22426.8	22679.1	22615.7	22682.9	22693.0	22453.9	22460.3	22688.0	22655.1	22546.4	22735.3	100%	100%	100%	100%	99%	100%
					100	1	1000000	270.3	270.8	237.8	297.7			267.1	239.6	242.8	292.7			99%	88%	102%	98%		
							10000000	2326.1	2331.3	2313.0	2369.4	2635.8		2278.8	2335.5	2308.7	2368.8	2597.8		98%	100%	100%	100%	99%	
							100000000	22573.3	22561.0	22585.5	22605.3	22631.4	28946.3	22568.4	22320.8	22482.1	22689.3	22452.6	28727.0	100%	99%	100%	100%	99%	99%
						10	1000000	270.8	265.5	277.7				274.9	267.1	271.2				101%	101%	98%			
							10000000	2331.0	2313.8	2315.8	2384.0			2302.2	2288.7	2324.9	2379.7			99%	99%	100%	100%		
							100000000	22442.2	22577.8	22648.9	22714.7	22917.4		22496.7	22563.8	22424.3	22692.7	22780.2		100%	100%	99%	100%	99%	
			random	i5	5	1	1000000	331.7	381.3	398.6	436.2	399.0	519.2	344.0	374.3	351.4	353.0	385.1	515.4	104%	98%	88%	81%	97%	99%
							10000000	3187.7	3529.4	3713.0	3260.1	3257.0	3210.6	3259.7	3198.5	3179.3	3101.6	3146.0	3290.3	102%	91%	86%	95%	97%	102%
							50000000	15582.2	16479.0	17362.7	15633.8	15611.9	17563.8	15468.5	15835.4	15490.3	15429.1	15555.0	15969.2	99%	96%	89%	99%	100%	91%
						10	1000000	368.1	367.9	351.7	396.3	383.4		352.8	384.5	374.5	371.4	374.4		96%	105%	106%	94%	98%	
							10000000	3214.1	3194.9	3288.1	3233.2	3456.7	3270.0	3328.4	3172.8	3158.0	3145.2	3224.2	3323.1	104%	99%	96%	97%	93%	102%
							50000000	15470.5	15478.2	15464.9	16379.9	15599.0	15841.0	15479.0	15515.7	15554.6	16440.4	16522.7	15961.1	100%	100%	101%	100%	106%	101%
					10	1	1000000	333.5	370.8	391.1	373.8	378.4		376.3	378.2	369.0	359.8	393.8		113%	102%	94%	96%	104%	
							10000000	3144.1	3207.2	3111.5	3209.1	3145.4	3362.3	3124.2	3071.0	3163.3	3034.2	3171.6	3341.6	99%	96%	102%	95%	101%	99%
							50000000	15679.4	15335.0	15255.5	15402.2	15435.5	15931.4	15438.7	15368.0	15689.0	15981.7	15501.0	16219.6	98%	100%	103%	104%	100%	102%
						10	1000000	369.5	407.8	389.1	450.1			379.5	372.8	347.0	322.4			103%	91%	89%	72%		
							10000000	3136.5	3194.9	3118.2	3496.0	3106.9		3411.0	3049.8	3143.1	3094.2	3238.5		109%	95%	101%	89%	104%	
							50000000	15323.0	15378.3	15965.6	15383.0	15489.0	16563.8	16710.4	15301.3	15801.5	15415.2	15416.7	15793.2	109%	99%	99%	100%	100%	95%
					100	1	1000000	359.9	363.2	343.1	395.9			326.9	408.2	382.6	356.0			91%	112%	112%	90%		
							10000000	3171.3	3157.8	3156.4	3168.5	3674.2		3138.4	3099.6	3147.7	3422.4	3476.7		99%	98%	100%	108%	95%	
							50000000	15358.5	15526.4	15482.7	15431.5	15674.1	18535.0	15445.0	15423.1	15521.6	15497.2	16662.6	18502.0	101%	99%	100%	100%	106%	100%
						10	1000000	344.6	397.7	339.9				341.8	356.8	339.1				99%	90%	100%			
							10000000	3176.5	3182.9	3185.7	3139.5			3120.6	3070.8	3160.1	3137.5			98%	96%	99%	100%		
							50000000	15455.3	15441.1	15960.2	15516.4	16147.4		15408.4	15492.0	15425.1	15494.1	15733.6		100%	100%	97%	100%	97%	
				xeon	5	1	1000000	268.6	270.4	270.8	271.7	281.9	433.2	267.5	270.4	266.8	271.7	285.4	430.4	100%	100%	99%	100%	101%	99%
							10000000	2327.8	2315.9	2338.6	2299.5	2302.5	2458.1	2367.2	2345.3	2357.4	2305.6	2370.6	2459.6	102%	101%	101%	100%	103%	100%
							100000000	22636.4	22212.4	22603.0	22713.5	23097.9	22609.5	22576.6	22517.8	22743.7	22524.5	23052.5	22753.2	100%	101%	101%	99%	100%	101%

cat	cpu	n1	n2	size	master						patched						%					
			10	1000000	273.2	272.5	271.9	274.3	284.5		271.7	268.9	268.1	269.7	245.3		99%	99%	99%	98%	86%	
				10000000	2335.3	2353.8	2332.9	2325.9	2309.2	2557.2	2338.1	2321.5	2338.7	2328.8	2331.5	2422.8	100%	99%	100%	100%	101%	95%
				100000000	22673.1	22541.9	22607.9	22598.1	23158.9	22927.8	22670.1	22124.8	22435.5	22483.4	23197.6	22680.4	100%	98%	99%	99%	100%	99%
		10	1	1000000	263.4	264.2	264.9	269.9	308.0		264.0	263.0	268.8	252.6	295.8		100%	100%	101%	94%	96%	
				10000000	2354.2	2312.1	2285.2	2329.8	2375.2	2716.4	2285.2	2303.0	2290.6	2304.1	2313.6	2569.9	97%	100%	100%	99%	97%	95%
				100000000	22539.8	22511.5	22734.7	22616.3	23083.6	23084.2	22558.2	22551.2	22675.4	22583.8	23145.7	23115.0	100%	100%	100%	100%	100%	100%
			10	1000000	262.6	263.1	261.7	266.2			265.0	268.6	265.0	261.1			101%	102%	101%	98%		
				10000000	2341.0	2312.5	2287.6	2270.2	2355.5		2337.2	2326.8	2324.7	2327.4	2321.1		100%	101%	102%	103%	99%	
				100000000	22439.0	22555.1	22559.7	22544.7	23111.5	22792.1	22609.2	22529.4	22621.3	22632.9	23154.3	22971.8	101%	100%	100%	100%	100%	101%
		100	1	1000000	265.5	270.2	272.7	297.9			269.0	270.6	273.2	301.1			101%	100%	100%	101%		
				10000000	2346.7	2226.4	2333.0	2350.5	2780.8		2339.8	2339.2	2341.7	2322.9	2874.7		100%	105%	100%	99%	103%	
				100000000	22664.8	22373.0	22643.8	22530.4	23330.2	29016.9	22550.1	22559.2	22610.4	22483.3	23613.4	28822.8	99%	101%	100%	100%	101%	99%
			10	1000000	271.1	268.0	233.5				268.6	271.6	235.4				99%	101%	101%			
				10000000	2355.4	2323.8	2240.2	2352.8			2320.1	2355.1	2341.1	2323.1			99%	101%	105%	99%		
				100000000	22648.3	22410.2	22648.4	22648.6	23393.3		22567.8	22370.8	22608.0	22599.8	23521.7		100%	100%	100%	100%	101%	
sequential	i5	5	1	1000000	381.8	404.7	348.3	353.3	487.4	511.9	371.2	343.8	339.7	357.9	412.4	511.2	97%	85%	98%	101%	85%	100%
				10000000	3226.0	3664.7	3179.4	3223.0	3141.8	3458.9	3122.5	3156.1	3186.3	3156.1	3145.5	3312.8	97%	86%	100%	98%	100%	96%
				50000000	15926.5	15570.9	16707.2	15539.7	15651.8	15710.1	15482.0	16292.8	15546.5	15594.8	15492.4	15673.6	97%	105%	93%	100%	99%	100%
			10	1000000	426.5	402.6	398.8	370.5	370.0		385.6	347.7	355.3	384.7	397.0		90%	86%	89%	104%	107%	
				10000000	3135.9	3835.1	3336.9	3180.1	3259.9	3324.7	3152.9	3125.4	3147.8	3479.1	3161.5	3267.4	101%	81%	94%	109%	97%	98%
				50000000	15493.6	15605.5	15506.0	15510.8	15804.7	15734.7	15505.1	15478.4	15533.0	15486.1	15653.4	15868.6	100%	99%	100%	100%	99%	101%
		10	1	1000000	391.8	398.9	334.8	373.0	427.3		386.3	339.3	332.4	356.2	394.0		99%	85%	99%	96%	92%	
				10000000	3111.5	3149.4	3135.3	3104.1	3165.0	3367.5	3259.4	3137.4	3093.8	3116.0	3133.1	3382.8	105%	100%	99%	100%	99%	99%
				50000000	15348.5	15580.4	15202.6	15276.9	15332.8	15639.1	15346.7	15311.0	16632.1	15308.0	15638.9	15936.9	100%	98%	109%	100%	102%	102%
			10	1000000	360.9	375.4	372.0	376.2			366.5	334.2	369.5	363.0			102%	89%	99%	96%		
				10000000	3103.9	3142.1	3146.1	3152.8	3173.5		3116.6	3108.0	3068.1	3121.3	3113.9		100%	99%	98%	99%	98%	
				50000000	15415.2	15331.2	15267.8	15343.6	15243.0	15886.0	15326.0	15411.6	15241.0	15282.8	15491.0	15626.6	99%	101%	100%	100%	102%	98%
		100	1	1000000	352.9	336.2	376.7	378.2			345.9	375.3	321.8	399.3			98%	112%	85%	106%		
				10000000	3109.4	3179.0	3156.8	3135.3	3355.6		3145.8	3137.2	3032.8	3518.0	3322.7		101%	99%	96%	112%	99%	
				50000000	15482.9	15337.6	15399.5	15377.2	15644.1	18660.4	15490.2	15375.7	15314.9	15444.8	15618.5	18698.5	100%	100%	99%	100%	100%	100%
			10	1000000	370.2	358.8	328.3				354.4	373.7	340.8				96%	104%	104%			
				10000000	3142.7	3115.6	3175.2	3771.2			3602.9	3128.7	3096.9	3223.3			115%	100%	98%	85%		
				50000000	15493.2	15895.6	15465.8	15456.4	15629.7		15449.4	15436.4	15289.7	15427.3	15678.1		100%	97%	99%	100%	100%	
	xeon	5	1	1000000	266.8	266.8	268.1	271.0	285.0	425.5	269.6	274.6	272.2	271.5	236.9	519.6	101%	103%	102%	100%	83%	122%
				10000000	2345.7	2246.4	2310.5	2325.0	2344.7	2510.1	2316.1	2289.8	2343.9	2328.7	2345.5	2638.5	99%	102%	101%	100%	100%	105%
				100000000	22598.8	22560.4	22437.5	22549.5	22712.0	22837.0	22624.6	22597.1	22424.3	22582.6	22673.1	22533.5	100%	100%	100%	100%	100%	99%
			10	1000000	270.2	267.5	270.8	267.3	284.6		270.7	267.6	270.1	270.9	282.4		100%	100%	100%	101%	99%	
				10000000	2274.9	2264.7	2312.6	2322.5	2327.2	2469.5	2354.7	2302.7	2282.1	2328.9	2292.4	2542.7	104%	102%	99%	100%	99%	103%
				100000000	22632.5	22606.9	22380.4	22575.9	22634.8	22616.1	22724.8	22606.1	22513.5	22556.6	22616.8	22910.0	100%	100%	101%	100%	100%	101%
		10	1	1000000	262.5	253.9	261.0	258.3	246.7		261.7	256.1	256.6	257.4	237.7		100%	101%	98%	100%	96%	
				10000000	2281.8	2281.2	2265.6	2244.5	2278.5	2754.0	2328.7	2282.6	2255.2	2193.5	2279.2	2601.4	102%	100%	100%	98%	100%	94%
				100000000	22675.2	22370.3	22197.4	22302.6	22658.1	22787.4	22660.9	22333.1	22117.6	22199.1	22299.4	22684.3	100%	100%	100%	100%	98%	100%
			10	1000000	263.1	262.8	258.4	262.2			264.5	257.0	257.8	261.6			101%	98%	100%	100%		
				10000000	2348.2	2269.8	2270.8	2237.3	2275.3		2322.6	2283.4	2271.0	2261.0	2289.2		99%	101%	100%	101%	101%	
				100000000	22701.5	22284.3	22307.7	22249.7	22216.3	22359.4	22705.8	22470.0	21998.1	22197.4	22158.8	22438.9	100%	101%	99%	100%	100%	100%
		100	1	1000000	263.2	261.0	264.3	283.6			272.4	264.3	262.9	281.8			104%	101%	99%	99%		
				10000000	2349.0	2291.4	2290.1	2307.2	2614.7		2367.2	2295.8	2294.8	2323.6	2853.2		101%	100%	100%	101%	109%	
				100000000	22689.1	22728.1	22199.3	22494.6	22752.1	28968.2	22637.3	22458.8	22405.0	22328.6	22553.9	28968.9	100%	99%	101%	99%	99%	100%
			10	1000000	268.5	264.0	263.4				269.4	266.6	261.9				100%	101%	99%			
				10000000	2323.8	2329.5	2304.5	2290.2			2340.1	2313.0	2269.9	2317.8			101%	99%	98%	101%		
				100000000	22553.4	22640.5	22419.0	22504.9	22559.4		22658.6	22584.7	22472.9	22545.8	22620.1		100%	100%	100%	100%	100%	
32 cycle	i5	5	1	1000000	346.2	430.1	377.8	361.0	427.6	558.7	387.5	328.8	372.6	343.1	371.6	482.4	112%	76%	99%	95%	87%	86%
				10000000	3398.3	3151.3	3144.6	3226.9	3197.8	3291.6	3142.1	3130.5	3063.6	3166.2	3180.8	3316.2	92%	99%	97%	98%	99%	101%
				50000000	15485.6	15556.0	15545.8	15559.4	16350.0	15680.4	15546.0	15578.2	16174.6	16340.7	16417.6	15925.2	100%	100%	104%	105%	100%	102%
			10	1000000	344.8	403.0	367.5	377.3	378.1		344.2	339.6	356.0	365.8	373.3		100%	84%	97%	97%	99%	
				10000000	3207.9	3476.2	3147.7	3198.2	3279.8	3317.2	3137.3	3110.9	3381.0	3189.5	3149.8	3277.0	98%	89%	107%	100%	96%	99%
				50000000	15566.5	15709.6	16322.6	16308.8	15657.7	15859.7	15554.4	15478.3	15557.1	15524.5	15549.3	15928.4	100%	99%	95%	95%	99%	100%
		10	1	1000000	346.7	333.6	362.9	368.0	403.3		349.9	329.3	374.4	350.9	395.5		101%	99%	103%	95%	98%	
				10000000	3109.8	3114.6	3393.6	3167.1	3117.6	3363.6	3122.7	3050.8	3094.6	3138.2	3134.2	3325.0	100%	98%	91%	99%	101%	99%
				50000000	15374.3	15364.4	15341.8	15367.3	15376.0	16146.9	15435.6	15427.6	15316.5	15508.9	17154.1	15950.8	100%	100%	100%	101%	112%	99%

machine	cpu	a	b	size	m1	m2	m3	m4	m5	m6	p1	p2	p3	p4	p5	p6	%1	%2	%3	%4	%5	%6
			10	1000000	388.6	334.4	369.3	331.9			342.0	338.8	345.6	342.6			88%	101%	94%	103%		
				10000000	3103.9	3111.5	3077.6	3171.6	3120.7		3263.9	3117.9	3078.1	3126.2	3128.4		105%	100%	100%	99%	100%	
				50000000	16703.6	15383.1	15385.7	15311.1	16599.7	16049.7	15356.9	15402.0	15342.5	15356.3	15444.7	15722.2	92%	100%	100%	100%	93%	98%
		100	1	1000000	365.6	364.9	373.8	405.1			334.5	370.3	369.9	396.8			92%	101%	99%	98%		
				10000000	3152.5	3200.7	3486.8	3182.2	3357.1		3218.0	3391.6	3135.6	3175.5	3381.9		102%	106%	90%	100%	101%	
				50000000	15851.8	15965.5	15414.6	17936.3	16019.6	21653.1	15413.1	15461.6	15405.5	15390.0	15799.8	18464.5	97%	97%	100%	86%	99%	85%
			10	1000000	386.4	351.8	376.7				349.8	339.4	352.9				91%	96%	94%			
				10000000	3160.5	3090.8	3147.3	3402.0			3128.8	3165.1	3084.1	3102.3			99%	102%	98%	91%		
				50000000	15397.1	15560.3	15395.4	15859.6	16545.6		16488.7	15419.4	15372.1	17137.7	16033.5		107%	99%	100%	108%	97%	
	xeon	5	1	1000000	269.9	270.0	271.8	270.3	285.0	389.3	269.2	268.4	270.8	268.1	283.2	395.6	100%	99%	100%	99%	99%	102%
				10000000	2321.5	2302.9	2336.4	2290.1	2351.3	2537.9	2330.9	2357.2	2323.4	2349.0	2322.1	2469.4	100%	102%	99%	103%	99%	97%
				100000000	22557.2	22458.6	22486.0	22612.9	22643.5	22605.8	22574.8	22449.1	22487.3	22488.4	22528.1	22644.5	100%	100%	100%	99%	99%	100%
			10	1000000	270.0	266.8	271.3	239.0	289.4		271.1	267.1	268.2	272.8	283.5		100%	100%	99%	114%	98%	
				10000000	2327.5	2243.8	2294.2	2275.4	2315.0	2360.0	2303.9	2333.1	2319.1	2348.9	2345.2	2489.5	99%	104%	101%	103%	101%	105%
				100000000	22494.0	22483.7	22495.7	22664.2	22402.8	22532.0	22557.8	22624.4	22642.5	22514.0	22678.1	22469.6	100%	101%	101%	99%	101%	100%
		10	1	1000000	266.5	266.2	264.2	270.7	293.7		266.3	266.0	264.4	269.3	293.7		100%	100%	100%	99%	100%	
				10000000	2326.3	2326.5	2288.4	2334.5	2335.4	2821.4	2333.1	2292.2	2319.3	2313.1	2346.2	2556.5	100%	99%	101%	99%	100%	91%
				100000000	22674.3	22689.3	22627.6	22549.0	22610.3	22853.0	22420.3	22534.8	22680.7	22638.5	22574.4	23048.2	99%	99%	100%	100%	100%	101%
			10	1000000	264.0	259.8	262.4	232.8			262.9	263.6	264.0	264.7			100%	101%	101%	114%		
				10000000	2332.0	2329.8	2288.1	2316.2	2332.6		2327.3	2346.0	2308.0	2328.3	2338.3		100%	101%	101%	101%	100%	
				100000000	22580.0	22635.8	22695.9	22669.0	22747.0	22757.9	22625.3	22617.2	22677.1	22619.0	22619.1	22903.8	100%	100%	100%	100%	99%	101%
		100	1	1000000	270.1	266.9	274.9	296.4			268.7	266.6	273.1	276.6			99%	100%	99%	93%		
				10000000	2340.5	2261.1	2334.3	2354.4	2555.1		2338.5	2336.6	2326.4	2331.3	2642.4		100%	103%	100%	99%	103%	
				100000000	22477.4	22411.7	22634.1	22444.1	22848.6	28935.7	22399.0	22574.3	22608.4	22632.5	22638.4	28610.6	100%	101%	100%	101%	99%	99%
			10	1000000	267.4	264.1	272.0				268.6	238.5	271.4				100%	90%	100%			
				10000000	2308.3	2349.2	2291.1	2366.4			2347.5	2347.3	2303.7	2290.9			102%	100%	101%	97%		
				100000000	22527.6	22481.7	22526.8	22664.6	22821.3		22538.1	22420.3	22577.7	22644.9	22812.1		100%	100%	100%	100%	100%	
random	i5	5	1	1000000	332.7	348.3	369.2	379.2	369.0	500.7	375.9	361.0	346.5	363.8	371.6	479.0	113%	104%	94%	96%	101%	96%
				10000000	3209.0	3200.8	3544.3	3262.5	3349.6	3241.1	3500.5	3180.5	3180.5	3100.3	3201.6	3267.3	109%	99%	90%	95%	96%	101%
				50000000	17302.5	15802.4	15772.9	15522.0	15621.4	15776.5	15546.0	15499.9	15532.6	15547.7	16152.5	15874.7	90%	98%	98%	100%	103%	101%
			10	1000000	341.0	366.3	334.6	353.1	370.4		379.2	377.2	343.1	347.9	369.7		111%	103%	103%	99%	100%	
				10000000	3203.9	3189.8	3150.2	3250.0	3142.0	3279.1	3134.5	3094.1	3191.1	3082.3	3299.9	3328.8	98%	97%	101%	95%	105%	102%
				50000000	15515.3	15521.9	15978.7	15528.2	15581.2	15911.7	15521.9	15504.0	16230.0	15638.7	15525.3	15818.0	100%	100%	102%	101%	100%	99%
		10	1	1000000	365.8	351.8	356.9	408.7	383.8		421.2	382.0	389.0	326.4	348.0		115%	109%	109%	80%	91%	
				10000000	3161.7	3198.1	3151.3	3238.1	3128.5	3395.7	3106.9	3048.9	3138.2	3085.9	3122.9	3564.3	98%	95%	100%	95%	100%	105%
				50000000	15283.6	15342.8	15391.6	15354.0	15496.1	15680.1	15345.8	15879.5	15356.6	15322.6	15463.5	16063.1	100%	103%	100%	100%	100%	102%
			10	1000000	334.7	337.2	350.3	419.8			382.5	347.7	333.5	334.9			114%	103%	95%	80%		
				10000000	3169.0	3139.9	3405.7	3215.5	3105.5		3089.9	3030.2	3171.1	3133.7	3147.5		98%	97%	93%	97%	101%	
				50000000	16028.7	17731.2	15374.4	15312.6	15391.2	15660.2	15413.9	15589.9	15340.1	16368.6	15457.9	16106.6	96%	87%	100%	107%	100%	103%
		100	1	1000000	333.6	354.0	360.5	391.6			317.3	377.3	358.7	349.1			95%	107%	100%	89%		
				10000000	3156.7	3169.8	3146.0	3108.2	3392.0		3119.1	3106.6	3331.4	3163.9	3606.0		99%	98%	106%	102%	106%	
				50000000	15357.6	16114.2	15437.0	15569.7	15704.4	21901.1	15368.5	15393.7	16702.5	15483.6	16109.2	21936.3	100%	96%	108%	99%	103%	100%
			10	1000000	366.5	371.1	396.4				356.4	373.1	356.7				97%	101%	90%			
				10000000	3154.0	3419.3	3174.4	3183.7			3115.2	3094.5	3122.1	3202.5			99%	91%	98%	101%		
				50000000	15455.2	15380.7	15421.5	15495.2	15769.9		15444.1	17224.2	15370.3	16014.7	15875.1		100%	112%	100%	103%	101%	
	xeon	5	1	1000000	268.6	273.6	269.1	269.6	282.9	455.1	270.3	266.7	270.3	271.8	283.6	512.1	101%	97%	100%	101%	100%	113%
				10000000	2275.1	2341.7	2335.1	2321.7	2359.1	2439.8	2364.8	2331.5	2277.7	2327.5	2315.5	2350.6	104%	100%	98%	100%	98%	96%
				100000000	22573.7	22470.1	22511.2	22559.3	23207.8	22667.9	22510.0	22410.3	22688.8	22624.9	23030.3	22719.3	100%	100%	101%	100%	99%	100%
			10	1000000	267.8	274.3	272.1	272.2	286.1		269.0	269.1	268.6	271.3	284.5		100%	98%	99%	100%	99%	
				10000000	2269.1	2334.4	2306.2	2338.5	2305.9	2438.1	2332.1	2357.0	2300.0	2271.9	2304.1	2400.6	103%	101%	100%	97%	100%	98%
				100000000	22612.1	22309.0	22473.1	22470.7	23049.2	22581.6	22641.7	22470.4	22677.5	22519.0	23076.0	22831.6	100%	101%	101%	100%	100%	101%
		10	1	1000000	261.6	262.1	230.5	263.6	299.9		266.4	265.6	268.3	251.0	298.2		102%	101%	116%	95%	99%	
				10000000	2333.1	2322.8	2274.7	2320.7	2361.7	2797.9	2338.9	2281.2	2322.1	2333.0	2307.2	2718.8	100%	98%	102%	101%	98%	97%
				100000000	22684.3	22520.2	22618.6	22573.6	23135.2	22846.7	22485.8	22416.3	22733.4	22676.7	23241.3	23110.3	99%	100%	101%	100%	100%	101%
			10	1000000	265.0	266.4	263.5	250.3			263.6	266.5	266.1	263.3			99%	100%	101%	105%		
				10000000	2350.7	2333.5	2326.5	2323.6	2367.2		2350.3	2327.4	2327.9	2294.7	2358.0		100%	100%	100%	99%	100%	
				100000000	22709.1	22477.9	22580.0	22555.6	23155.7	23067.4	22698.0	22619.3	22651.2	22595.6	23086.0	23003.4	100%	101%	100%	100%	100%	100%
		100	1	1000000	273.0	268.6	234.4	299.5			270.7	271.5	238.7	299.5			99%	101%	102%	100%		
				10000000	2234.3	2286.6	2316.2	2330.6	2876.7		2358.2	2336.5	2312.2	2349.2	2860.1		106%	102%	100%	101%	99%	
				100000000	22569.2	22445.4	22701.9	22597.4	23447.3	28575.6	22534.2	22297.1	22687.0	22695.4	23705.0	28677.8	100%	99%	100%	100%	101%	100%

grp	cpu	a	b	size	M1	M2	M3	M4	M5	M6	P1	P2	P3	P4	P5	P6	R1	R2	R3	R4	R5	R6
			10	1000000	265.9	267.4	234.8				267.6	267.9	240.4				101%	100%	102%			
				10000000	2351.1	2344.2	2332.6	2348.8			2352.3	2324.8	2336.0	2370.2			100%	99%	100%	101%		
				100000000	22509.2	22510.1	22808.3	22627.3	23251.0		22763.5	22276.0	22429.0	22504.3	23416.5		101%	99%	98%	99%	101%	
sequential	i5	5	1	1000000	408.4	382.4	353.2	390.4	391.9	488.3	363.7	374.5	374.6	388.2	419.0	475.7	89%	98%	106%	99%	107%	97%
				10000000	3197.6	3633.2	3178.5	3151.5	3209.7	3487.0	3087.4	3171.2	3151.4	3190.4	3254.4	3294.6	97%	87%	99%	101%	101%	94%
				50000000	15552.4	15564.3	15629.8	15785.2	15610.8	15899.9	15563.2	15532.9	15536.8	15574.6	15879.9	15928.4	100%	100%	99%	99%	102%	100%
			10	1000000	430.0	414.1	382.8	381.7	437.0		395.3	370.6	375.5	369.7	362.3		92%	89%	98%	97%	83%	
				10000000	3154.2	3257.4	3429.9	3129.7	3155.0	3274.5	3167.9	3160.9	3119.9	3150.6	3124.4	3295.6	100%	97%	91%	101%	99%	101%
				50000000	16027.5	15558.8	15442.0	15617.9	15656.9	15874.2	16761.4	15522.9	15595.2	15557.4	15661.4	15748.5	105%	100%	101%	100%	100%	99%
		10	1	1000000	351.7	345.4	345.7	385.2	425.5		355.8	335.1	337.3	367.9	430.3		101%	97%	98%	96%	101%	
				10000000	3101.3	3171.8	3130.5	3117.9	3180.6	3643.8	3465.0	3096.7	3052.6	3162.1	3101.1	3707.8	112%	98%	98%	101%	97%	102%
				50000000	15411.7	15369.5	15705.0	15349.9	15327.5	16159.0	15375.9	15372.1	15304.0	15905.8	15366.7	15986.7	100%	100%	97%	104%	100%	99%
			10	1000000	422.9	344.0	364.6	376.8			375.8	352.1	348.9	362.5			89%	102%	96%	96%		
				10000000	3089.7	3133.2	3150.3	3115.7	3136.5		3115.6	3097.0	3086.9	3135.7	3101.0		101%	99%	98%	101%	99%	
				50000000	15420.2	15227.3	15361.9	16760.9	15316.5	15971.3	15436.8	15448.3	15286.8	15280.8	15392.9	15620.6	100%	101%	100%	91%	100%	98%
		100	1	1000000	389.1	344.1	370.8	398.1			377.7	353.1	337.6	360.2			97%	103%	91%	90%		
				10000000	3068.9	3082.8	3148.8	3685.4	3371.9		3115.8	3090.9	3072.3	3157.8	3600.7		102%	100%	98%	86%	107%	
				50000000	16407.0	15421.3	15426.3	15845.8	15631.8	18640.0	15458.9	15383.1	15318.2	15373.8	15926.4	18664.6	94%	100%	99%	97%	102%	100%
			10	1000000	358.3	368.1	362.1				342.2	353.3	369.1				96%	96%	102%			
				10000000	3144.5	3129.1	3183.4	3172.6			3420.0	3086.8	3078.4	3107.4			109%	99%	97%	98%		
				50000000	15443.0	16775.6	15359.4	15408.9	15664.9		15492.0	15416.8	15362.5	16153.0	15599.4		100%	92%	100%	105%	100%	
	xeon	5	1	1000000	269.0	270.4	269.7	269.6	240.6	414.7	270.2	266.1	270.5	269.5	233.5	372.2	100%	98%	100%	100%	97%	90%
				10000000	2342.3	2283.9	2286.1	2313.9	2298.4	2489.9	2356.0	2317.9	2342.8	2320.6	2347.3	2513.3	101%	101%	102%	100%	102%	101%
				100000000	22688.4	22501.2	22492.7	22543.8	22659.9	22824.4	22621.9	22598.2	22560.2	22692.7	22586.6	22732.4	100%	100%	100%	101%	100%	100%
			10	1000000	268.2	266.1	270.1	269.0	285.0		270.8	271.5	269.4	268.5	282.0		101%	102%	100%	100%	99%	
				10000000	2355.9	2283.5	2338.3	2328.7	2350.5	2479.4	2342.8	2320.9	2360.9	2339.1	2321.9	2455.4	99%	102%	101%	100%	99%	99%
				100000000	22623.5	22609.8	22287.4	22591.7	22755.5	22644.7	22700.8	22540.8	22285.4	22529.4	22554.7	22682.1	100%	100%	100%	100%	99%	100%
		10	1	1000000	263.9	258.9	258.2	261.6	232.2		264.5	258.8	253.5	260.4	238.0		100%	100%	98%	100%	103%	
				10000000	2342.9	2293.6	2257.8	2230.1	2282.7	2788.9	2357.5	2270.1	2247.2	2252.1	2280.5	2781.8	101%	99%	100%	101%	100%	100%
				100000000	22684.6	22313.6	22191.8	22090.6	22212.8	22673.7	22697.9	22383.8	22105.2	22071.7	22236.3	22839.6	100%	100%	100%	100%	100%	101%
			10	1000000	265.5	259.7	257.8	258.3			267.6	258.0	258.6	261.8			101%	99%	100%	101%		
				10000000	2339.7	2283.5	2280.9	2244.4	2289.0		2328.6	2261.1	2283.5	2258.2	2270.1		100%	99%	100%	101%	99%	
				100000000	22696.9	22281.6	22106.2	22162.8	22349.3	22281.5	22771.9	22454.0	22355.5	22319.0	22280.8	22838.0	100%	101%	101%	101%	100%	102%
		100	1	1000000	263.8	261.7	265.8	279.4			268.2	267.2	263.0	280.1			102%	102%	99%	100%		
				10000000	2306.9	2316.6	2267.7	2294.6	2690.0		2301.3	2247.5	2289.2	2294.9	2713.9		100%	97%	101%	100%	101%	
				100000000	22754.9	22531.5	22054.0	22398.3	22714.5	29382.5	22588.2	22502.4	22463.3	22240.9	22703.4	28849.0	99%	100%	102%	99%	100%	98%
			10	1000000	267.9	261.9	260.5				269.0	270.3	264.0				100%	103%	101%			
				10000000	2355.6	2289.4	2274.2	2269.3			2311.1	2318.1	2291.3	2285.0			98%	101%	101%	101%		
				100000000	22713.9	22589.1	22379.3	22394.1	22595.9		22638.0	22595.6	22611.6	22441.1	22733.1		100%	100%	101%	100%	101%	