MEDIAN of duration

| | | | | | | | | | prefetch matches | | | | | | | | | | | | | | | | | |
| | | | | | | | | | 0 | | | | | | 32 | | | | | | | | | | | |
caching	test	scan_type	build	machine	dataset	nvalues	distance	rows	1	10	100	1000	10000	100000	1	10	100	1000	10000	100000	1	10	100	1000	10000	100000
cached	btree-saop	bitmapscan	master	i5	cycle	5	1	1000000	8.2	8.1	8.5	12.1	43.3	272.6	8.0	8.1	8.5	12.9	58.5	280.5	98%	100%	100%	106%	135%	103%
								10000000	8.0	8.1	8.3	12.1	44.2	385.9	8.0	8.0	8.6	12.1	45.5	406.2	100%	98%	103%	100%	103%	105%
								50000000	8.2	8.2	8.6	12.2	44.2	390.7	8.1	8.2	8.7	12.2	45.9	402.9	99%	101%	102%	100%	104%	103%
							10	1000000	7.9	8.1	8.7	13.8	74.5		8.1	8.1	8.6	14.9	66.5		102%	100%	99%	108%	89%	
								10000000	8.1	8.0	8.7	13.7	63.0	1345.8	8.1	8.2	8.7	14.2	66.7	1480.0	100%	102%	100%	103%	106%	110%
								50000000	8.1	8.3	8.9	13.7	63.1	26895.0	8.0	8.3	9.1	14.2	67.2	1494.5	99%	100%	102%	103%	107%	6%
						10	1	1000000	8.0	8.2	9.1	14.2	68.7		8.1	8.3	9.1	14.5	70.2		102%	101%	100%	102%	102%	
								10000000	8.1	8.1	9.0	14.3	69.1	1138.4	8.0	8.2	8.9	14.7	71.3	1194.7	100%	100%	99%	103%	103%	105%
								50000000	8.0	9.1	8.9	14.5	69.5	29211.2	8.2	9.4	9.0	14.8	71.5	1209.7	102%	103%	101%	102%	103%	4%
							10	1000000	8.2	8.3	9.5	18.2			8.1	8.2	9.6	18.9			98%	99%	101%	104%		
								10000000	8.1	8.0	9.4	18.2	107.3		8.1	8.1	9.3	19.0	114.8		100%	101%	99%	105%	107%	
								50000000	8.1	9.1	9.7	18.7	108.2	36267.8	8.1	9.1	9.4	19.3	116.8	2591.3	100%	101%	97%	103%	108%	7%
						100	1	1000000	8.3	9.4	13.4	57.4			8.3	9.3	13.6	60.2			100%	96%	101%	105%		
								10000000	9.4	9.1	13.7	57.6	502.2		9.4	9.0	13.7	58.7	511.8		99%	98%	100%	102%	102%	
								50000000	9.4	9.3	13.9	57.6	504.0	39476.6	9.2	9.2	13.6	58.6	512.6	10575.4	98%	99%	98%	102%	102%	27%
							10	1000000	8.3	9.6	17.9				8.4	9.6	18.5				101%	100%	103%			
								10000000	9.5	9.6	19.3	102.1			9.4	9.6	19.1	109.7			100%	101%	99%	107%		
								50000000	9.5	9.7	18.3	102.0	7004.1		9.4	10.0	19.4	109.4	2372.2		99%	104%	106%	107%	34%	
					random	5	1	1000000	8.0	8.2	9.0	16.2	64.5	274.9	8.1	8.1	9.0	16.5	70.1	284.1	102%	99%	100%	102%	109%	103%
								10000000	8.0	8.3	9.0	16.2	82.1	1429.3	8.1	8.2	9.2	17.5	88.2	1581.2	102%	99%	103%	108%	107%	111%
								50000000	8.1	8.3	9.6	16.4	86.7	39091.0	8.1	8.2	9.6	16.7	91.3	2211.1	100%	100%	100%	102%	105%	6%
							10	1000000	8.0	8.1	9.0	17.3	64.9		8.1	8.1	8.9	16.6	69.5		101%	99%	99%	96%	107%	
								10000000	8.0	8.1	9.0	16.3	82.6	1437.0	7.9	8.0	9.0	17.1	88.6	1580.4	99%	100%	100%	105%	107%	110%
								50000000	8.1	8.2	9.5	16.2	85.6	38225.7	8.2	8.2	9.8	16.7	91.3	2229.6	101%	100%	102%	103%	107%	6%
						10	1	1000000	8.1	8.3	10.1	22.5	97.7		8.1	8.1	10.2	23.9	105.3		101%	98%	101%	106%	108%	
								10000000	8.2	8.3	10.1	23.9	154.3	1988.5	8.0	8.1	10.1	24.8	166.9	2205.6	98%	98%	100%	104%	108%	111%
								50000000	8.1	8.3	9.9	24.2	167.4	31147.6	8.2	8.5	10.3	25.3	177.8	5980.7	101%	102%	104%	105%	106%	19%
							10	1000000	8.0	8.3	10.2	22.3			8.1	8.6	10.5	23.8			101%	103%	102%	106%		
								10000000	8.1	8.4	10.1	23.8	154.9		8.2	8.3	9.9	24.7	167.1		101%	99%	99%	104%	108%	
								50000000	8.2	8.4	9.9	24.3	166.7	31058.6	8.2	8.4	10.2	25.1	177.6	7782.9	100%	100%	103%	103%	107%	25%
						100	1	1000000	8.9	10.3	22.7	98.4			8.8	10.4	23.9	105.9			99%	102%	105%	108%		
								10000000	9.9	10.0	24.0	156.9	1991.9		8.6	10.1	25.5	168.5	2207.6		87%	100%	106%	107%	111%	
								50000000	8.8	10.1	24.5	166.7	30944.4	21387.8	8.8	10.4	25.6	179.2	4968.8	38109.7	100%	104%	104%	107%	16%	178%
							10	1000000	8.4	10.5	22.8				8.8	10.4	24.5				105%	98%	107%			
								10000000	9.9	10.4	24.4	154.4			8.4	10.4	25.3	167.9			85%	100%	104%	109%		
								50000000	8.7	10.3	24.7	166.8	31308.6		8.7	10.2	25.9	178.4	5002.6		100%	100%	105%	107%	16%	
					sequential	5	1	1000000	8.1	8.1	8.2	10.8	31.9	236.7	8.0	8.0	8.3	10.8	45.1	240.4	100%	100%	101%	100%	141%	102%
								10000000	8.0	8.0	8.3	10.6	31.9	238.0	8.1	8.1	8.3	10.8	32.2	242.3	101%	101%	100%	101%	101%	102%
								50000000	8.2	8.1	8.5	10.9	32.1	239.6	8.2	8.2	8.6	10.9	32.6	242.9	100%	101%	102%	100%	102%	101%
							10	1000000	8.1	8.1	8.4	10.8	43.7		7.9	8.1	8.3	11.4	32.7		98%	101%	99%	106%	75%	
								10000000	8.0	8.2	8.4	10.8	31.8	238.3	8.1	8.1	8.3	12.2	32.2	242.9	102%	99%	99%	113%	101%	102%
								50000000	8.1	8.1	8.4	10.9	31.8	245.9	8.2	8.0	8.7	10.8	32.4	243.1	101%	99%	104%	98%	102%	99%
						10	1	1000000	8.1	8.1	9.1	13.0	55.2		8.0	8.3	8.8	13.0	55.6		99%	102%	97%	100%	101%	
								10000000	8.0	8.1	9.0	13.0	55.3	468.3	8.0	8.1	8.8	13.2	55.9	476.2	99%	99%	98%	101%	101%	102%
								50000000	8.1	9.1	8.7	13.1	55.1	470.3	8.1	9.0	8.7	13.2	56.2	477.7	100%	100%	100%	101%	102%	102%
							10	1000000	8.1	8.2	8.9	12.9			8.0	8.1	8.8	13.0			100%	98%	100%	101%		
								10000000	8.1	8.1	8.8	13.3	55.0		8.2	8.2	8.8	13.0	56.0		101%	102%	101%	98%	102%	
								50000000	8.2	9.2	9.0	13.2	55.6	469.8	8.2	9.1	8.8	13.3	56.3	487.9	99%	99%	98%	101%	101%	104%
						100	1	1000000	8.3	9.0	13.0	55.5			8.2	10.8	13.2	56.0			98%	119%	101%	101%		
								10000000	9.5	9.1	13.6	55.5	470.5		9.2	8.9	13.5	56.4	479.1		97%	99%	99%	102%	102%	
								50000000	9.8	9.1	13.6	55.6	471.5	8922.2	9.7	9.2	13.5	56.5	491.4	9215.6	98%	101%	99%	102%	104%	103%
							10	1000000	8.3	9.2	13.7				8.4	10.3	13.6				100%	112%	99%			
								10000000	9.5	9.1	14.1	55.7			9.7	9.1	13.8	56.6			102%	101%	98%	102%		
								50000000	9.7	9.4	14.1	55.8	471.3		9.5	9.5	13.7	56.7	478.7		98%	101%	97%	102%	102%	
				xeon	cycle	5	1	1000000	9.7	10.4	10.7	14.4	53.1	332.4	10.2	10.5	9.8	13.5	53.5	337.1	105%	101%	92%	94%	101%	101%
								10000000	10.0	10.2	10.7	13.9	54.7	461.6	9.7	10.4	10.4	13.7	51.9	480.5	96%	102%	97%	98%	95%	104%

			P1	P2	size																		
					100000000	9.7	10.4	10.6	14.0	54.3	466.0	10.3	10.5	10.4	15.1	53.3	539.2	106%	101%	97%	108%	98%	116%
				10	1000000	9.8	10.0	10.6	17.5	76.6		9.6	10.7	9.8	15.9	80.5		97%	107%	93%	91%	105%	
					10000000	9.9	10.3	11.3	16.3	78.5	1767.6	9.4	9.8	10.3	16.5	81.8	1914.6	95%	95%	92%	101%	104%	108%
					100000000	10.5	10.7	10.7	16.9	85.8	1751.6	10.2	10.7	10.6	16.3	82.2	1863.0	98%	100%	99%	96%	96%	106%
			10	1	1000000	9.7	10.8	10.4	17.9	84.2		10.5	10.5	10.3	16.9	81.5		109%	97%	99%	95%	97%	
					10000000	9.8	9.7	10.5	18.1	84.8	1431.7	9.9	9.8	10.6	16.9	85.7	1498.7	101%	101%	101%	93%	101%	105%
					100000000	10.0	10.8	10.9	17.7	97.5	1412.9	9.9	11.1	10.6	17.7	86.3	1475.3	100%	102%	92%	100%	89%	104%
				10	1000000	10.3	10.9	10.9	21.3			10.2	10.0	10.6	22.3			99%	92%	97%	105%		
					10000000	10.8	10.4	11.2	21.6	134.2		10.2	10.8	11.4	22.2	142.5		95%	103%	101%	103%	106%	
					100000000	10.7	10.9	11.0	23.6	139.4	3137.0	10.8	10.3	10.6	22.5	140.9	3453.4	101%	94%	97%	95%	101%	110%
			100	1	1000000	10.4	10.6	16.6	69.5			10.6	10.4	16.2	70.2			103%	98%	97%	101%		
					10000000	10.3	11.1	16.1	68.9	644.1		10.1	11.2	16.7	70.9	629.3		99%	101%	103%	103%	98%	
					100000000	10.9	11.1	16.8	82.1	644.1	10357.6	11.3	10.3	16.7	83.3	629.0	10685.3	104%	93%	99%	101%	98%	103%
				10	1000000	10.0	10.5	21.5				10.3	11.0	21.4				103%	105%	99%			
					10000000	10.5	12.3	21.1	127.2			10.0	11.0	21.3	135.8			96%	90%	101%	107%		
					100000000	10.9	11.1	21.6	128.3	2827.1		10.4	11.0	21.8	135.7	3170.4		95%	99%	101%	106%	112%	
		random	5	1	1000000	10.1	10.0	11.0	19.7	79.1	343.3	9.8	10.1	11.5	19.2	84.5	343.0	96%	101%	105%	97%	107%	100%
					10000000	9.7	10.5	10.8	19.2	101.2	1763.9	10.2	10.1	10.9	18.7	106.0	1977.5	105%	97%	100%	98%	105%	112%
					100000000	9.5	10.3	11.5	19.6	107.6	2711.4	9.6	11.0	10.8	18.9	110.2	2965.0	101%	106%	94%	96%	102%	109%
				10	1000000	9.7	10.3	12.2	19.2	79.7		9.8	9.6	11.8	18.7	85.2		101%	93%	97%	98%	107%	
					10000000	9.7	9.9	12.2	19.4	100.2	1949.0	9.6	10.2	11.3	18.7	107.4	1991.2	99%	103%	93%	97%	107%	102%
					100000000	10.4	9.9	10.5	19.9	104.4	2724.7	10.3	9.3	11.2	19.8	111.0	2996.5	99%	94%	106%	100%	106%	110%
			10	1	1000000	10.2	10.1	12.9	26.4	119.1		9.6	9.7	12.8	27.0	128.0		94%	96%	100%	102%	107%	
					10000000	10.2	10.4	12.6	27.6	187.6	2500.6	9.4	10.3	13.0	27.5	188.0	2885.1	92%	99%	103%	100%	100%	115%
					100000000	10.4	10.3	13.1	28.0	201.4	4854.7	10.7	9.2	13.0	27.9	218.6	5355.2	103%	90%	99%	99%	109%	110%
				10	1000000	9.9	10.2	12.6	26.7			10.2	10.4	12.9	26.9			103%	102%	102%	101%		
					10000000	9.6	10.5	12.8	28.8	171.2		9.5	10.8	12.4	27.8	186.8		99%	103%	96%	97%	109%	
					100000000	11.0	10.0	12.1	29.0	203.6	4866.9	10.4	9.6	11.8	27.7	227.2	5321.6	94%	95%	98%	96%	112%	109%
			100	1	1000000	10.3	12.6	26.0	118.9			10.8	12.4	27.2	128.7			104%	98%	105%	108%		
					10000000	9.5	12.2	28.4	171.2	2697.7		9.9	11.7	28.1	202.9	2948.3		103%	96%	99%	118%	109%	
					100000000	11.1	13.1	27.9	204.2	4863.2	33253.3	10.0	11.7	28.3	200.5	5492.4	34792.2	90%	89%	101%	98%	113%	105%
				10	1000000	10.4	11.8	26.8				10.4	11.8	27.4				100%	100%	102%			
					10000000	10.3	11.7	29.9	172.6			10.4	12.1	28.1	189.5			101%	104%	94%	110%		
					100000000	10.3	12.0	28.0	186.9	4916.8		10.7	12.0	28.8	201.5	5477.8		104%	99%	103%	108%	111%	
		sequential	5	1	1000000	9.7	10.1	10.6	12.8	39.0	352.2	9.6	10.0	10.4	12.8	38.9	294.7	99%	99%	98%	100%	100%	84%
					10000000	9.7	9.9	10.5	13.0	37.7	271.4	10.1	10.3	10.4	12.9	37.6	278.3	104%	104%	99%	99%	100%	103%
					100000000	10.5	10.7	9.6	12.9	39.8	390.6	10.8	9.7	9.8	13.5	38.7	303.0	103%	91%	102%	105%	97%	78%
				10	1000000	10.1	9.9	10.4	13.0	37.8		9.7	10.1	10.4	12.5	37.0		96%	102%	100%	96%	98%	
					10000000	10.0	9.5	10.1	12.6	37.0	272.9	10.4	9.8	9.9	12.8	39.1	342.8	103%	103%	98%	101%	106%	126%
					100000000	10.7	9.6	10.6	13.2	40.0	332.7	10.9	9.3	11.0	13.5	39.2	322.9	102%	97%	104%	102%	98%	97%
			10	1	1000000	10.7	9.6	10.4	16.1	65.8		9.8	10.5	10.3	15.8	65.9		92%	109%	99%	98%	100%	
					10000000	10.1	10.5	10.5	15.8	65.6	700.9	10.5	10.2	10.7	16.0	66.0	555.3	104%	97%	102%	101%	101%	79%
					100000000	10.7	9.8	11.1	16.2	66.5	705.2	10.2	10.7	10.5	16.0	67.1	580.3	96%	109%	95%	99%	101%	82%
				10	1000000	9.7	10.5	11.5	15.8			9.9	10.4	10.0	16.1			103%	99%	87%	102%		
					10000000	10.2	10.0	10.4	15.8	63.4		10.5	10.0	11.3	15.8	64.5		102%	100%	109%	100%	102%	
					100000000	10.6	10.9	11.1	15.7	65.4	585.5	10.7	10.5	11.2	16.8	67.1	600.7	101%	96%	101%	107%	103%	103%
			100	1	1000000	9.7	11.3	15.9	65.8			9.8	11.3	16.0	66.6			101%	100%	101%	101%		
					10000000	10.5	10.3	15.9	66.3	797.2		10.6	10.3	16.0	67.2	802.6		100%	100%	101%	101%	101%	
					100000000	11.0	10.1	16.7	66.6	568.9	9767.3	10.7	10.1	16.7	67.3	592.7	9889.6	98%	100%	100%	101%	104%	101%
				10	1000000	11.1	12.3	16.0				9.8	11.3	16.3				88%	92%	102%			
					10000000	10.6	10.5	17.4	67.5			9.7	10.4	16.3	68.7			92%	99%	93%	102%		
					100000000	10.9	10.9	16.8	67.6	567.1		10.2	11.0	16.6	67.6	750.7		93%	101%	99%	100%	132%	
patched	i5	cycle	5	1	1000000	8.1	8.1	8.5	12.2	43.7	269.6	8.2	8.1	8.4	13.1	45.6	277.9	100%	100%	100%	107%	104%	103%
					10000000	8.1	8.3	8.4	12.6	43.7	378.4	8.1	8.2	8.6	12.2	45.0	404.3	101%	99%	102%	97%	103%	107%
					50000000	8.2	8.1	8.8	12.3	43.9	388.2	8.1	8.1	8.6	12.5	45.4	399.9	98%	100%	98%	102%	103%	103%
				10	1000000	8.1	8.1	8.9	13.6	61.4		8.1	8.2	8.7	14.8	66.2		100%	100%	98%	108%	108%	
					10000000	8.0	8.1	8.7	14.7	62.5	1347.6	8.1	8.1	8.8	14.8	65.9	1498.9	101%	100%	101%	100%	105%	111%
					50000000	8.1	8.2	9.2	13.9	63.2	27151.0	8.0	8.2	9.0	14.0	66.0	1511.9	100%	100%	98%	101%	104%	6%
			10	1	1000000	8.1	8.1	9.0	16.6	68.0		8.1	8.2	9.1	14.5	71.8		100%	102%	100%	87%	106%	

machine	pattern			size	pivot						prefetching						pivot / prefetching					
				10000000	8.1	8.2	9.0	14.4	68.8	1133.2	8.1	8.2	8.9	14.7	72.4	1200.3	99%	100%	99%	103%	105%	106%
				50000000	8.2	9.3	9.0	14.9	69.0	29349.1	8.1	9.1	9.0	14.7	72.2	1221.4	99%	99%	100%	98%	105%	4%
			10	1000000	8.1	8.2	9.7	20.5			8.1	8.2	9.6	20.8			101%	100%	98%	102%		
				10000000	8.0	8.2	9.3	18.4	106.5		8.1	8.3	9.4	19.2	114.9		101%	100%	101%	104%	108%	
				50000000	8.1	9.7	9.9	18.7	107.2	36414.3	8.1	9.4	9.5	19.4	114.2	2591.0	100%	97%	96%	104%	107%	7%
		100	1	1000000	8.4	9.7	13.7	57.9			8.5	9.2	13.8	57.9			101%	94%	101%	100%		
				10000000	9.5	9.0	13.9	57.1	505.1		9.4	9.0	13.7	58.1	500.8		99%	100%	99%	102%	99%	
				50000000	9.6	9.4	13.9	57.2	497.7	39699.9	9.4	9.4	13.9	58.2	506.9	10334.6	97%	100%	100%	102%	102%	26%
			10	1000000	8.3	9.7	18.0				8.4	9.8	18.8				101%	101%	105%			
				10000000	9.6	9.5	18.0	102.4			9.9	9.8	18.6	109.0			102%	104%	104%	106%		
				50000000	9.6	9.9	18.2	101.1	7073.2		9.5	9.9	19.1	108.8	2345.8		100%	99%	105%	108%	33%	
	random	5	1	1000000	8.1	8.2	9.0	16.0	76.9	271.5	8.1	8.3	8.9	17.2	69.6	281.3	99%	101%	99%	107%	91%	104%
				10000000	8.1	8.2	9.2	16.4	82.4	1424.7	8.2	8.2	8.9	16.7	88.9	1574.7	102%	101%	97%	102%	108%	111%
				50000000	8.3	8.2	9.5	16.4	86.0	39052.6	8.2	8.1	9.7	17.0	91.7	2208.6	99%	99%	102%	104%	107%	6%
			10	1000000	8.1	8.2	9.2	16.1	65.2		8.1	8.1	9.0	17.2	69.6		100%	98%	97%	106%	107%	
				10000000	8.0	8.2	9.0	16.7	82.8	1436.5	8.0	8.1	9.3	16.6	89.4	1579.8	101%	99%	103%	99%	108%	110%
				50000000	8.2	8.3	9.5	16.4	86.5	38774.7	8.2	8.3	9.5	16.9	91.7	2204.0	100%	101%	100%	103%	106%	6%
		10	1	1000000	8.1	8.2	10.5	22.4	97.0		8.1	8.4	10.4	23.8	104.7		100%	103%	98%	106%	108%	
				10000000	8.1	8.3	9.9	23.9	152.6	1980.8	8.1	8.3	10.0	25.0	168.4	2207.8	101%	101%	101%	104%	110%	111%
				50000000	8.2	8.3	10.1	24.2	165.3	31349.4	8.1	8.7	10.1	25.3	177.1	5954.6	99%	104%	100%	105%	107%	19%
			10	1000000	8.1	8.7	10.2	22.2			8.1	8.2	10.2	24.2			100%	94%	100%	109%		
				10000000	8.2	9.4	9.8	23.7	153.9		8.2	9.1	10.0	24.8	168.5		101%	97%	102%	105%	110%	
				50000000	8.2	8.5	10.0	23.8	167.0	31565.6	8.5	8.5	10.1	25.1	176.9	7879.0	104%	99%	101%	106%	106%	25%
		100	1	1000000	8.7	10.4	22.7	97.8			8.9	10.5	24.2	105.1			102%	101%	106%	107%		
				10000000	8.5	10.2	24.7	153.7	1998.7		8.5	10.1	25.1	167.9	2221.9		100%	99%	102%	109%	111%	
				50000000	8.7	10.1	24.1	166.4	31038.7	21050.4	9.0	10.5	25.5	177.2	5678.5	38951.2	103%	103%	106%	106%	18%	185%
			10	1000000	9.0	10.5	22.8				8.4	10.4	24.0				93%	99%	105%			
				10000000	9.7	10.4	24.2	154.0			8.3	10.3	25.0	168.8			86%	99%	103%	110%		
				50000000	8.9	10.3	24.4	166.0	31121.5		8.7	10.4	25.7	176.0	8306.7		98%	101%	105%	106%	27%	
	sequential	5	1	1000000	8.1	8.1	8.3	11.6	43.6	233.4	8.1	8.2	8.4	10.8	32.0	237.5	101%	102%	102%	93%	73%	102%
				10000000	8.2	8.1	8.3	10.7	31.5	235.1	8.1	8.2	8.3	10.8	33.0	238.9	99%	101%	100%	101%	105%	102%
				50000000	8.2	8.2	8.4	10.9	32.2	236.1	8.1	8.2	8.5	10.8	32.4	240.6	99%	100%	101%	99%	101%	102%
			10	1000000	8.1	8.2	8.4	10.9	44.5		8.1	8.0	8.3	11.6	31.7		100%	98%	99%	107%	71%	
				10000000	8.0	8.0	8.3	10.7	31.9	236.1	8.0	8.1	8.3	11.5	31.9	239.3	99%	101%	100%	107%	100%	101%
				50000000	8.2	8.3	8.9	10.9	32.2	237.2	8.2	8.2	8.4	10.8	32.1	240.6	101%	98%	94%	99%	100%	101%
		10	1	1000000	8.2	8.1	9.1	13.0	54.1		8.1	8.2	9.0	15.5	55.2		98%	101%	98%	119%	102%	
				10000000	8.2	8.2	8.8	13.0	55.9	460.9	8.2	8.1	8.8	13.3	55.7	470.6	99%	100%	100%	102%	100%	102%
				50000000	8.2	9.2	8.9	13.3	55.7	463.8	8.3	9.1	8.7	13.5	55.5	483.9	101%	99%	98%	102%	100%	104%
			10	1000000	8.1	8.3	9.4	12.9			8.0	8.2	9.0	12.9			99%	99%	96%	100%		
				10000000	8.1	8.1	8.8	13.2	54.7		8.1	8.2	8.8	13.2	55.8		99%	101%	99%	100%	102%	
				50000000	8.3	9.2	9.0	13.5	54.5	464.8	8.1	9.4	8.9	13.4	55.6	471.9	97%	101%	99%	99%	102%	102%
		100	1	1000000	8.6	9.2	13.2	54.7			8.3	10.2	13.2	57.0			97%	111%	100%	104%		
				10000000	9.5	9.1	13.3	54.8	464.6		9.6	9.0	13.6	56.8	472.3		101%	100%	102%	104%	102%	
				50000000	9.5	9.2	13.5	55.2	464.2	8902.1	9.8	9.4	13.6	57.0	472.6	6530.6	103%	102%	101%	103%	102%	73%
			10	1000000	8.3	9.4	13.6				8.3	9.2	13.5				100%	99%	99%			
				10000000	9.5	9.2	13.7	55.0			9.5	9.2	13.8	55.9			100%	100%	101%	102%		
				50000000	10.0	9.5	13.7	55.4	465.3		9.7	9.6	13.7	56.3	488.4		98%	101%	100%	102%	105%	
xeon	cycle	5	1	1000000	9.9	10.3	9.7	14.1	51.4	337.1	10.6	9.7	10.2	13.3	51.4	336.0	107%	94%	105%	95%	100%	100%
				10000000	10.0	9.9	10.8	14.6	54.6	471.4	10.7	10.3	10.7	14.3	54.0	568.3	107%	104%	99%	98%	99%	121%
				100000000	9.9	9.9	11.2	15.2	53.6	480.8	9.9	10.1	10.9	13.9	53.6	468.2	100%	102%	98%	91%	100%	97%
			10	1000000	10.3	9.5	10.2	15.9	76.9		9.7	10.5	10.3	15.9	75.3		95%	111%	101%	100%	98%	
				10000000	10.0	10.7	11.7	16.7	76.6	1699.1	9.7	10.0	11.2	15.5	81.2	1849.7	97%	94%	96%	93%	106%	109%
				100000000	10.8	10.5	12.0	16.6	84.6	1761.0	9.7	10.5	11.4	15.7	81.0	1856.9	89%	100%	95%	95%	96%	105%
		10	1	1000000	10.1	10.1	10.9	16.8	84.1		9.8	10.1	10.4	16.9	81.2		97%	100%	96%	100%	97%	
				10000000	10.3	9.8	11.4	17.8	82.3	1500.7	9.7	9.9	11.1	17.8	82.1	1592.9	94%	102%	98%	100%	100%	106%
				100000000	9.8	10.8	12.1	17.9	97.8	1531.0	9.9	10.2	11.7	16.8	82.6	1647.2	101%	94%	97%	94%	84%	108%
			10	1000000	9.8	9.9	11.0	22.6			9.9	10.0	10.9	21.6			101%	101%	99%	96%		
				10000000	10.1	10.4	12.0	23.3	135.1		10.0	10.4	11.6	22.2	142.5		99%	101%	96%	95%	105%	
				100000000	10.8	9.5	10.5	22.1	138.4	3197.0	9.9	10.3	10.3	22.2	131.2	3259.3	91%	109%	98%	100%	95%	102%

scan	branch	ver	pattern			N																			
				100	1	1000000	10.7	10.1	16.0	67.1			10.3	10.9	16.1	69.2			97%	108%	100%	103%		
						10000000	10.2	11.0	16.4	69.9	796.8		10.3	10.7	17.0	70.4	615.0		101%	97%	104%	101%	77%	
						100000000	10.5	11.1	16.0	82.2	737.8	10434.0	10.4	11.5	16.7	71.0	689.6	10780.2	99%	103%	104%	86%	93%	103%
					10	1000000	10.7	10.8	21.2				10.5	10.9	21.6				98%	101%	102%			
						10000000	9.9	11.3	22.0	121.4			10.3	11.3	22.0	136.3			105%	99%	100%	112%		
						100000000	10.3	12.4	21.5	128.4	2749.9		11.0	11.9	22.0	135.8	3147.6		106%	96%	103%	106%	114%	
			random	5	1	1000000	10.0	9.8	10.5	19.9	80.8	343.1	9.8	9.6	10.7	18.2	85.1	330.7	98%	98%	102%	92%	105%	96%
						10000000	10.2	10.0	10.7	20.1	97.9	1871.3	9.7	10.2	10.8	18.6	105.1	2019.5	95%	102%	101%	92%	107%	108%
						100000000	10.3	9.9	11.7	20.2	105.2	2722.3	10.1	10.0	11.3	18.5	108.4	2874.1	99%	101%	97%	92%	103%	106%
					10	1000000	10.1	10.0	11.1	19.5	78.7		9.9	9.7	11.1	18.2	80.7		99%	98%	100%	93%	103%	
						10000000	9.7	10.2	11.1	20.0	92.4	1871.7	9.9	9.6	10.6	19.5	105.9	2043.6	102%	94%	95%	97%	115%	109%
						100000000	9.7	11.0	11.0	20.2	106.2	2616.9	10.0	10.4	10.6	18.8	110.6	2957.1	103%	95%	96%	93%	104%	113%
				10	1	1000000	9.7	10.2	13.0	26.0	112.5		9.8	10.7	12.6	26.3	128.8		101%	105%	97%	101%	114%	
						10000000	9.6	9.8	11.7	28.3	188.2	2640.6	10.1	9.9	12.5	27.6	185.2	2956.2	105%	100%	107%	98%	98%	112%
						100000000	10.1	10.3	11.8	27.8	214.3	4960.6	10.1	10.6	11.8	28.2	218.2	5393.2	100%	103%	100%	101%	102%	109%
					10	1000000	9.8	10.5	12.1	27.0			10.0	10.0	12.8	26.3			102%	95%	106%	98%		
						10000000	10.1	10.0	11.7	28.8	187.8		10.1	10.4	11.6	27.8	187.2		100%	105%	100%	97%	100%	
						100000000	10.2	11.1	11.5	28.8	202.5	5141.8	10.5	10.5	11.9	27.8	215.3	5430.9	104%	94%	103%	97%	106%	106%
				100	1	1000000	10.5	12.6	26.4	111.3			10.1	11.8	27.1	128.7			96%	93%	103%	116%		
						10000000	10.1	13.1	28.8	171.5	2586.6		9.5	12.9	27.7	200.9	2816.6		94%	99%	96%	117%	109%	
						100000000	10.6	13.3	29.3	199.5	4946.7	32635.5	10.5	12.7	28.2	217.8	5622.4	35776.7	99%	95%	96%	109%	114%	110%
					10	1000000	10.1	11.9	27.5				9.8	12.1	27.4				97%	101%	100%			
						10000000	10.1	13.0	28.2	189.8			10.4	11.4	28.3	205.1			102%	88%	100%	108%		
						100000000	9.6	13.3	27.7	204.6	5164.3		9.8	11.4	28.5	224.8	5497.0		102%	86%	103%	110%	106%	
			sequential	5	1	1000000	9.9	10.5	10.2	12.9	37.9	289.9	9.9	10.3	10.7	12.6	38.7	288.6	100%	98%	104%	97%	102%	100%
						10000000	9.8	9.8	10.6	12.4	38.5	284.4	10.2	9.9	10.6	12.1	37.5	278.3	104%	101%	100%	98%	97%	98%
						100000000	9.6	10.2	10.5	12.1	38.3	368.7	9.8	10.3	10.3	12.7	38.8	286.7	102%	101%	99%	104%	101%	78%
					10	1000000	10.3	10.7	10.1	13.1	38.2		10.5	10.0	10.0	12.8	37.8		103%	94%	99%	98%	99%	
						10000000	10.4	10.3	10.7	12.1	38.9	276.8	10.1	10.0	10.6	11.9	38.5	341.6	97%	97%	99%	98%	99%	123%
						100000000	9.1	9.4	10.5	12.6	38.5	363.4	10.0	10.5	10.1	12.2	39.4	344.4	110%	111%	96%	97%	102%	95%
				10	1	1000000	9.9	9.7	10.2	15.4	65.0		9.9	10.7	11.1	18.0	63.3		100%	110%	109%	117%	97%	
						10000000	10.3	9.2	10.7	15.8	65.8	676.5	9.6	9.8	11.2	15.6	71.4	717.6	93%	106%	104%	99%	108%	106%
						100000000	10.8	10.7	10.6	15.5	67.0	717.3	9.7	10.5	10.3	15.4	66.3	646.9	89%	99%	98%	100%	99%	90%
					10	1000000	10.5	10.3	10.8	15.7			10.4	10.8	10.9	15.8			99%	105%	101%	101%		
						10000000	9.5	9.8	11.3	15.7	66.3		9.7	10.3	11.1	15.9	67.0		103%	105%	98%	101%	101%	
						100000000	9.8	10.8	10.7	15.2	64.1	679.9	9.3	10.4	10.3	15.3	64.0	653.5	94%	96%	97%	101%	100%	96%
				100	1	1000000	10.4	11.3	16.2	66.2			10.6	11.0	15.7	67.8			102%	97%	96%	102%		
						10000000	11.0	10.9	15.9	67.4	705.2		10.6	10.6	16.1	67.0	780.2		97%	97%	101%	100%	111%	
						100000000	9.5	10.4	16.4	66.5	701.4	9994.7	9.5	10.2	16.1	66.9	638.3	10100.7	100%	97%	98%	101%	91%	101%
					10	1000000	10.6	10.9	15.9				10.3	10.9	15.9				97%	100%	100%			
						10000000	10.9	10.8	17.0	66.9			10.8	10.5	16.7	67.7			99%	97%	98%	101%		
						100000000	9.8	10.7	16.4	67.2	574.5		10.4	10.2	15.6	68.7	689.9		106%	96%	95%	102%	120%	
indexscan	master	i5	cycle	5	1	1000000	8.1	8.1	8.5	13.2	51.7	331.9	8.0	8.1	8.5	13.4	52.4	331.6	98%	99%	100%	102%	101%	100%
						10000000	8.0	8.1	8.6	12.4	52.0	465.6	7.9	8.0	8.5	12.6	52.7	460.8	100%	99%	99%	101%	101%	99%
						50000000	8.0	8.2	8.8	12.5	52.6	465.8	8.2	8.2	8.7	13.0	52.3	464.7	102%	101%	99%	104%	99%	100%
					10	1000000	8.1	8.1	8.7	14.5	58.7		8.0	8.1	8.6	14.9	58.5		99%	99%	100%	103%	100%	
						10000000	8.0	8.1	8.6	13.6	59.0	1418.7	8.0	8.1	8.7	14.1	59.0	1412.3	100%	100%	101%	103%	100%	100%
						50000000	8.1	8.2	8.9	13.6	58.9	1431.5	8.2	8.3	9.0	13.7	58.8	1425.4	101%	101%	101%	101%	100%	100%
				10	1	1000000	7.9	8.1	9.2	16.5	90.4		8.0	8.1	9.3	16.3	90.9		101%	101%	102%	99%	101%	
						10000000	8.1	8.2	9.1	16.4	92.2	1021.9	7.9	8.1	9.1	16.2	91.1	1007.0	98%	99%	100%	99%	99%	99%
						50000000	8.1	9.1	9.2	16.2	92.3	1025.5	8.1	9.3	9.1	16.6	91.7	1018.6	99%	102%	100%	102%	99%	99%
					10	1000000	8.0	8.2	9.4	18.1			8.0	8.2	9.5	18.2			100%	99%	101%	101%		
						10000000	8.1	8.2	9.3	18.3	106.1		8.1	8.1	9.3	18.0	105.5		100%	99%	100%	98%	99%	
						50000000	8.2	9.3	9.5	18.4	106.4	52707.5	8.2	9.4	9.3	18.2	106.8	53326.5	100%	101%	99%	99%	100%	101%
				100	1	1000000	8.2	9.2	15.3	78.9			8.3	9.5	15.7	78.8			101%	103%	102%	100%		
						10000000	9.4	9.1	17.1	79.4	785.4		9.4	9.2	16.7	79.7	792.9		100%	100%	98%	100%	101%	
						50000000	9.4	9.5	15.9	79.3	789.7	66845.2	9.6	9.5	16.1	79.3	784.6	67404.9	102%	100%	102%	100%	99%	101%
					10	1000000	8.2	9.7	17.8				8.4	9.9	17.9				101%	103%	101%			
						10000000	9.3	9.5	17.9	97.5			9.3	9.6	18.9	98.0			99%	101%	105%	101%		

				50000000	9.7	10.0	18.2	97.5	13381.2		9.7	9.8	18.1	97.3	13404.6		100%	98%	99%	100%	100%	
	random	5	1	1000000	8.0	8.1	8.8	15.0	57.1	328.0	8.1	8.2	8.8	15.3	57.1	328.0	101%	102%	99%	102%	100%	100%
				10000000	8.1	8.2	8.7	15.0	65.8	1468.6	8.0	8.1	8.9	14.6	66.0	1473.8	99%	99%	103%	97%	100%	100%
				50000000	8.2	8.2	9.2	14.8	67.7	56972.7	8.2	8.3	9.3	14.5	66.4	57755.9	99%	101%	101%	98%	98%	101%
			10	1000000	8.0	8.1	8.8	14.3	57.2		8.0	8.1	8.8	15.8	60.2		99%	100%	100%	111%	105%	
				10000000	8.1	8.3	9.0	14.6	65.8	1470.5	8.0	8.1	9.2	14.7	65.9	1467.4	99%	97%	102%	100%	100%	100%
				50000000	8.0	8.2	9.4	14.8	66.8	57945.8	8.1	8.3	9.2	14.7	66.8	57426.1	101%	101%	98%	100%	100%	99%
		10	1	1000000	8.1	8.3	9.7	20.8	100.7		8.1	8.2	9.9	20.0	100.8		101%	99%	103%	96%	100%	
				10000000	8.2	8.4	9.5	20.7	122.0	2675.0	8.1	9.7	9.5	20.3	120.9	2682.7	98%	115%	100%	98%	99%	100%
				50000000	8.1	8.3	9.6	20.4	123.8	98521.0	8.2	8.2	9.7	20.6	124.4	98411.1	101%	99%	101%	101%	100%	100%
			10	1000000	8.1	8.2	9.6	19.8			8.0	8.5	9.6	20.1			99%	104%	100%	101%		
				10000000	8.1	9.6	9.5	21.0	121.0		8.0	9.2	9.5	20.4	121.3		100%	96%	101%	97%	100%	
				50000000	8.2	8.5	9.5	20.9	123.6	98663.6	8.1	8.3	11.2	20.6	125.6	98796.0	99%	98%	117%	99%	102%	100%
		100	1	1000000	8.8	9.9	20.8	104.6			8.5	9.9	20.6	104.2			97%	100%	99%	100%		
				10000000	8.8	9.7	21.1	122.2	2844.1		8.4	9.8	21.6	122.1	2837.6		96%	101%	102%	100%	100%	
				50000000	8.6	9.8	21.3	123.8	102688.4	1087237	8.4	9.8	21.6	125.1	103223.5	1087786	97%	100%	101%	101%	101%	100%
			10	1000000	8.9	10.0	20.5				8.4	10.0	20.5				94%	100%	100%			
				10000000	9.7	9.9	21.0	122.7			8.4	9.9	22.2	122.4			87%	100%	106%	100%		
				50000000	9.0	9.9	21.4	125.7	103374.8		8.6	9.9	21.1	127.3	103677.7		95%	101%	98%	101%	100%	
	sequential	5	1	1000000	8.1	8.1	8.3	13.0	32.1	237.1	8.0	8.0	8.3	11.5	31.9	239.3	100%	99%	100%	89%	99%	101%
				10000000	8.0	8.3	8.3	11.9	32.0	239.5	8.0	8.1	8.5	10.6	32.5	240.8	100%	102%	103%	90%	102%	101%
				50000000	8.2	8.1	8.6	10.9	32.6	242.0	8.1	8.2	8.7	10.9	32.1	239.6	98%	102%	101%	100%	99%	99%
			10	1000000	8.0	8.1	8.4	11.4	31.5		8.0	8.1	8.3	10.8	44.7		100%	100%	98%	95%	142%	
				10000000	8.1	8.1	8.4	11.0	31.9	240.4	8.1	8.1	8.4	11.1	32.2	240.4	100%	100%	100%	100%	101%	100%
				50000000	8.1	8.1	8.5	10.7	32.6	241.5	8.1	8.2	9.0	10.8	32.5	245.6	100%	100%	106%	101%	100%	102%
		10	1	1000000	8.1	8.2	8.8	13.2	55.5		8.0	8.1	9.8	13.1	55.8		98%	99%	112%	99%	101%	
				10000000	8.0	8.2	8.8	13.2	55.4	469.3	8.0	8.1	8.8	13.3	55.4	469.8	100%	100%	100%	101%	100%	100%
				50000000	8.2	9.3	8.9	13.6	55.6	472.0	8.2	9.5	8.8	13.4	55.8	471.8	100%	102%	99%	99%	100%	100%
			10	1000000	8.0	8.2	8.9	13.2			8.1	8.1	9.0	13.7			100%	100%	101%	104%		
				10000000	8.0	8.1	8.7	13.1	55.6		8.0	8.1	8.8	13.0	55.5		99%	100%	101%	99%	100%	
				50000000	8.1	9.3	8.8	13.4	55.8	470.0	8.2	9.4	9.0	13.5	55.4	470.2	100%	101%	103%	100%	99%	100%
		100	1	1000000	8.3	9.3	13.7	55.9			8.2	9.0	13.6	55.7			99%	98%	99%	100%		
				10000000	9.5	9.1	13.6	56.1	471.7		9.5	9.1	13.6	56.1	471.6		100%	100%	100%	100%	100%	
				50000000	9.6	9.7	13.8	56.2	483.1	8899.5	9.6	9.3	13.9	57.0	483.9	8874.7	101%	96%	101%	101%	100%	100%
			10	1000000	8.4	11.6	13.6				8.3	9.1	13.5				99%	79%	99%			
				10000000	9.4	9.2	14.0	55.9			9.5	9.2	13.8	56.0			101%	100%	99%	100%		
				50000000	9.7	9.4	13.8	56.2	473.0		9.7	9.4	13.9	56.1	472.2		100%	100%	100%	100%	100%	
xeon	cycle	5	1	1000000	9.9	10.2	10.5	14.3	57.4	414.5	10.6	10.2	10.2	14.3	57.0	406.9	107%	101%	97%	100%	99%	98%
				10000000	9.5	10.0	10.6	13.7	58.0	602.4	10.0	10.8	10.8	13.8	57.4	573.4	106%	108%	102%	101%	99%	95%
				100000000	9.4	10.1	11.0	14.2	58.0	575.7	9.6	10.7	10.5	14.9	58.6	555.6	103%	106%	95%	105%	101%	97%
			10	1000000	9.7	9.6	10.6	16.5	67.4		9.3	10.4	10.4	15.5	68.1		96%	109%	98%	94%	101%	
				10000000	9.8	9.9	11.3	15.4	76.2	1883.2	10.0	9.6	10.3	16.1	74.8	1852.9	102%	97%	92%	104%	98%	98%
				100000000	10.0	10.7	10.9	16.1	75.6	1824.8	9.8	10.9	10.2	15.0	75.5	1799.5	98%	103%	94%	93%	100%	99%
		10	1	1000000	10.2	10.4	10.4	18.9	102.5		10.0	10.7	10.4	18.2	101.4		98%	103%	100%	96%	99%	
				10000000	9.6	9.9	10.7	18.5	101.5	1300.6	9.6	9.8	10.5	18.1	101.4	1230.5	101%	99%	98%	98%	100%	95%
				100000000	9.8	10.5	11.0	18.5	102.3	1472.4	10.1	10.8	10.1	19.1	117.2	1306.6	103%	103%	92%	103%	115%	89%
			10	1000000	10.5	10.2	10.6	20.9			10.6	9.9	10.3	21.4			101%	98%	97%	102%		
				10000000	9.9	10.8	11.5	20.9	121.6		10.0	10.4	11.8	20.5	122.7		102%	97%	103%	98%	101%	
				100000000	10.1	10.8	10.9	22.2	137.4	3397.9	10.8	10.0	10.8	21.7	137.4	3173.7	106%	93%	99%	98%	100%	93%
		100	1	1000000	10.7	10.5	18.0	92.4			10.6	10.4	18.1	92.1			99%	99%	100%	100%		
				10000000	10.4	10.8	18.7	91.4	930.9		10.2	11.1	18.1	91.6	889.6		98%	102%	97%	100%	96%	
				100000000	11.3	11.1	17.9	93.2	1028.9	16403.6	10.7	10.5	18.6	94.9	1050.8	16047.4	95%	94%	104%	102%	102%	98%
			10	1000000	10.3	10.6	20.5				10.0	11.0	20.3				97%	104%	99%			
				10000000	10.2	11.5	20.6	115.8			10.0	10.8	20.6	119.1			98%	94%	100%	103%		
				100000000	10.2	10.6	20.2	116.0	3219.5		9.9	10.8	20.5	119.4	3315.0		96%	102%	102%	103%	103%	
	random	5	1	1000000	9.7	9.9	10.7	18.9	65.4	407.7	9.8	10.4	11.5	18.1	70.4	379.0	101%	105%	108%	96%	108%	93%
				10000000	9.7	10.1	10.5	16.7	80.3	2037.1	9.7	10.2	11.0	16.9	83.8	2015.8	100%	101%	104%	101%	104%	99%
				100000000	9.3	9.8	11.7	17.2	87.0	2445.1	9.3	10.4	10.3	16.6	86.2	2346.4	100%	106%	88%	97%	99%	96%
			10	1000000	9.7	10.2	11.7	18.2	68.8		10.1	10.0	11.6	16.6	68.7		104%	97%	100%	92%	100%	

c1	c2	c3	n	t	size	v1	v2	v3	v4	v5	v6	w1	w2	w3	w4	w5	w6	p1	p2	p3	p4	p5	p6
					10000000	9.6	10.1	11.5	17.8	83.4	1938.6	9.6	9.8	11.7	17.0	80.9	2017.9	100%	97%	102%	96%	97%	104%
					100000000	9.9	10.2	10.4	18.1	86.0	2421.0	10.4	10.0	11.4	17.6	87.1	2350.2	104%	98%	109%	98%	101%	97%
			10	1	1000000	9.6	9.6	12.5	23.0	112.7		9.7	9.7	12.5	23.3	116.2		101%	102%	100%	102%	103%	
					10000000	10.0	9.9	12.6	23.4	153.1	3570.5	9.4	10.3	12.4	23.2	139.7	3571.7	94%	103%	98%	99%	91%	100%
					100000000	10.0	10.1	12.6	24.3	158.0	4726.0	10.3	9.6	12.9	24.0	157.6	4685.1	103%	95%	102%	99%	100%	99%
				10	1000000	9.9	10.8	13.0	23.1			9.6	10.5	12.4	23.6			97%	97%	95%	102%		
					10000000	9.9	10.9	12.5	24.3	140.4		9.7	10.1	11.0	23.9	142.3		98%	92%	88%	98%	101%	
					100000000	10.4	10.1	11.4	23.8	156.6	4668.9	10.2	9.4	11.3	23.9	158.2	4680.6	98%	92%	99%	100%	101%	100%
			100	1	1000000	10.3	12.0	22.8	119.5			10.8	12.1	23.6	120.7			104%	100%	103%	101%		
					10000000	9.6	12.4	23.8	141.8	3732.2		9.9	11.6	24.9	152.7	3943.7		103%	93%	104%	108%	106%	
					100000000	10.9	12.2	24.1	158.9	4842.6	45330.8	10.0	11.3	24.6	148.0	4760.3	44945.5	92%	93%	102%	93%	98%	99%
				10	1000000	10.5	11.3	23.4				10.2	11.3	23.8				97%	100%	102%			
					10000000	10.4	11.5	25.0	140.5			10.4	11.3	24.7	140.1			100%	99%	99%	100%		
					100000000	10.4	11.7	24.0	145.9	4785.5		11.0	11.7	24.8	146.2	4835.5		106%	101%	104%	100%	101%	
		sequential	5	1	1000000	9.5	9.7	10.7	12.6	40.0	340.7	9.8	9.9	10.5	12.7	38.5	304.0	103%	102%	98%	101%	96%	89%
					10000000	9.7	10.0	10.2	12.9	37.9	288.0	9.9	9.9	10.2	12.7	39.3	280.2	102%	100%	100%	99%	104%	97%
					100000000	10.4	10.8	9.7	12.7	40.0	401.5	10.5	9.5	9.3	13.6	39.4	288.2	101%	89%	96%	107%	99%	72%
				10	1000000	9.7	10.2	10.7	12.7	38.5		9.9	9.8	10.8	12.8	39.0		102%	96%	101%	101%	101%	
					10000000	10.1	9.3	10.4	12.8	39.7	279.3	10.4	9.7	10.4	12.9	39.6	276.6	103%	105%	100%	101%	100%	99%
					100000000	10.1	9.9	10.1	13.0	39.9	347.8	10.8	9.4	10.7	13.9	40.1	381.4	107%	95%	106%	106%	100%	110%
			10	1	1000000	10.3	10.0	10.4	15.5	67.0		10.0	10.5	10.4	16.5	71.1		97%	105%	100%	107%	106%	
					10000000	10.4	9.9	10.2	16.3	68.5	608.1	9.8	10.1	10.0	16.0	64.2	713.5	94%	103%	97%	98%	94%	117%
					100000000	10.5	9.8	11.1	16.4	67.8	637.4	10.6	10.7	10.8	16.6	67.6	574.6	101%	108%	97%	101%	100%	90%
				10	1000000	9.8	10.2	10.7	15.7			9.9	10.6	10.1	16.1			101%	104%	94%	102%		
					10000000	10.1	10.2	11.6	15.9	65.4		10.3	10.1	10.8	16.5	67.7		102%	99%	94%	104%	104%	
					100000000	10.6	10.6	11.1	16.9	67.0	576.0	10.3	10.4	11.2	16.2	66.3	540.4	97%	98%	101%	96%	99%	94%
			100	1	1000000	9.8	11.3	15.6	67.8			9.8	11.4	16.4	68.2			100%	101%	105%	101%		
					10000000	10.6	10.1	16.9	68.1	748.1		10.9	10.1	16.9	65.8	688.0		103%	100%	100%	97%	92%	
					100000000	10.9	10.0	16.0	68.6	818.0	9768.0	10.8	10.5	17.3	68.3	648.1	9785.8	99%	106%	109%	99%	79%	100%
				10	1000000	10.8	11.6	16.2				9.6	11.5	16.4				89%	99%	101%			
					10000000	10.4	10.5	16.4	68.2			9.5	10.0	16.4	68.0			92%	95%	100%	100%		
					100000000	10.6	11.1	16.3	68.4	583.3		9.9	10.9	16.3	68.7	577.1		93%	98%	100%	100%	99%	
patched	i5	cycle	5	1	1000000	8.2	8.1	8.6	13.2	50.8	326.7	7.9	8.1	8.4	12.8	56.8	347.1	96%	99%	98%	97%	112%	106%
					10000000	8.1	8.1	8.7	12.7	51.9	453.0	8.2	8.1	8.5	12.8	54.5	487.4	101%	100%	98%	101%	105%	108%
					50000000	8.1	8.2	8.9	12.8	51.6	454.0	8.0	8.2	8.8	12.9	55.0	491.3	99%	101%	100%	101%	107%	108%
				10	1000000	8.1	8.2	8.7	15.3	57.8		8.2	8.2	8.6	14.2	73.7		101%	100%	100%	93%	127%	
					10000000	8.2	8.0	8.7	13.9	59.1	1387.2	8.1	8.2	8.7	14.2	62.8	1527.2	99%	103%	101%	102%	106%	110%
					50000000	8.2	8.3	9.0	13.7	59.0	1412.3	8.1	8.2	8.9	14.3	62.0	1563.7	99%	99%	99%	105%	105%	111%
			10	1	1000000	8.1	8.1	9.3	16.1	89.5		8.1	8.1	9.4	19.4	95.9		100%	101%	102%	121%	107%	
					10000000	8.0	8.2	9.2	16.0	90.4	999.0	8.1	8.1	9.2	16.7	96.6	1089.3	101%	99%	100%	104%	107%	109%
					50000000	8.3	9.3	9.1	16.1	89.7	1004.0	8.2	9.3	9.3	17.2	96.9	1094.4	99%	100%	102%	107%	108%	109%
				10	1000000	8.1	8.2	9.4	18.4			7.9	8.2	10.7	20.0			97%	101%	113%	109%		
					10000000	8.1	8.2	9.4	18.1	104.6		8.1	8.3	9.4	18.8	113.4		100%	102%	101%	104%	108%	
					50000000	8.2	9.1	9.5	18.4	105.1	53296.4	8.1	9.4	9.5	19.2	113.7	2752.1	99%	103%	100%	105%	108%	5%
			100	1	1000000	8.4	9.1	15.7	78.3			8.3	9.3	15.9	86.1			100%	102%	101%	110%		
					10000000	9.2	9.3	15.8	78.6	791.7		9.5	9.3	16.2	85.2	848.8		103%	100%	102%	108%	107%	
					50000000	9.6	9.6	15.8	78.3	778.5	66854.8	9.4	9.6	16.7	86.3	855.8	15458.2	98%	100%	105%	110%	110%	23%
				10	1000000	8.3	9.8	17.4				8.6	10.1	18.3				104%	102%	105%			
					10000000	9.4	9.7	18.2	97.6			9.5	9.6	18.3	106.1			101%	99%	101%	109%		
					50000000	9.6	9.9	18.1	95.8	13106.7		9.6	10.3	19.0	105.1	2698.1		100%	104%	105%	110%	21%	
		random	5	1	1000000	8.1	8.2	8.7	14.5	56.3	324.9	8.1	8.2	8.8	15.0	61.7	347.1	100%	100%	102%	104%	110%	107%
					10000000	8.0	8.2	8.9	15.2	65.1	1470.2	8.0	8.1	9.2	15.0	68.9	1636.0	100%	99%	103%	99%	106%	111%
					50000000	8.2	8.4	9.6	15.1	65.4	58116.6	8.0	8.1	9.4	15.2	70.3	2005.0	98%	97%	98%	101%	107%	3%
				10	1000000	8.0	8.2	8.9	15.0	56.5		8.1	8.1	8.9	16.6	61.8		101%	99%	100%	110%	109%	
					10000000	8.0	8.2	8.9	14.9	65.5	1447.3	8.1	8.2	9.0	15.1	67.8	1624.7	100%	100%	101%	102%	104%	112%
					50000000	8.1	8.2	9.5	14.7	79.1	58162.8	8.2	8.2	9.4	15.1	69.0	2006.3	100%	100%	99%	102%	87%	3%
			10	1	1000000	8.2	8.3	9.8	19.9	99.4		8.1	8.3	9.9	20.8	108.7		99%	100%	101%	105%	109%	
					10000000	8.0	9.5	9.7	20.2	120.1	2655.7	8.2	9.1	9.7	21.0	126.5	3052.9	102%	96%	100%	104%	105%	115%
					50000000	8.2	8.4	9.7	20.6	121.8	98609.6	8.2	8.7	9.8	21.6	128.7	3794.4	100%	104%	100%	105%	106%	4%

CPU	Pattern	P	Q	Size	v1	v2	v3	v4	v5	v6	w1	w2	w3	w4	w5	w6	%1	%2	%3	%4	%5	%6
			10	1000000	8.0	8.4	9.8	19.7			8.1	8.2	9.8	20.7			101%	98%	99%	105%		
				10000000	8.2	8.3	9.5	20.3	119.8		8.1	9.0	9.7	21.0	126.8		100%	109%	102%	104%	106%	
				50000000	8.2	8.6	9.8	20.7	122.1	100330.3	8.1	8.4	9.7	21.2	128.4	3811.8	99%	98%	99%	102%	105%	4%
		100	1	1000000	8.9	10.1	20.1	103.6			8.8	10.1	20.9	112.7			99%	100%	104%	109%		
				10000000	8.7	9.7	20.9	120.7	2825.6		8.8	9.8	21.3	128.8	3159.4		101%	101%	102%	107%	112%	
				50000000	8.8	9.9	21.5	123.9	103302.1	1099432	8.9	10.1	21.6	130.4	3944.6	107564.0	101%	102%	100%	105%	4%	10%
			10	1000000	8.8	9.9	20.3				8.5	11.2	20.9				96%	113%	103%			
				10000000	8.6	9.9	22.2	120.4			8.4	9.9	21.3	127.4			98%	100%	96%	106%		
				50000000	8.8	9.8	21.7	122.9	103715.9		9.0	10.2	22.4	129.7	3912.2		102%	104%	103%	106%	4%	
	sequential	5	1	1000000	8.1	8.1	8.3	11.6	31.8	237.3	8.1	8.1	8.4	12.8	33.3	246.3	100%	100%	100%	111%	105%	104%
				10000000	8.0	8.2	8.2	11.6	32.0	238.5	8.1	8.1	8.3	10.9	32.9	250.4	100%	99%	101%	94%	103%	105%
				50000000	8.1	8.2	8.7	11.3	32.9	240.6	8.1	8.2	8.6	10.9	33.2	248.6	100%	100%	99%	96%	101%	103%
			10	1000000	8.0	8.0	8.4	11.4	32.5		8.0	8.0	8.4	11.0	33.7		100%	100%	100%	96%	104%	
				10000000	8.0	8.0	8.4	10.8	32.1	238.2	8.0	8.1	8.4	11.0	33.4	248.5	100%	101%	100%	102%	104%	104%
				50000000	8.2	8.1	8.5	10.8	32.1	241.5	8.2	8.1	8.6	11.1	33.2	251.5	100%	100%	101%	103%	103%	104%
		10	1	1000000	8.1	8.1	8.8	14.7	56.2		8.1	8.1	9.2	13.3	57.2		101%	100%	105%	90%	102%	
				10000000	8.0	8.2	9.0	13.3	55.2	467.9	8.1	8.1	8.9	13.5	57.4	485.4	100%	99%	98%	101%	104%	104%
				50000000	8.2	9.2	9.0	13.3	55.6	469.9	8.2	9.3	8.9	13.7	57.7	489.2	100%	101%	99%	103%	104%	104%
			10	1000000	8.1	8.1	9.1	13.2			8.0	8.1	8.9	13.5			99%	100%	97%	103%		
				10000000	8.0	8.1	8.9	13.2	55.6		8.1	8.1	9.0	13.5	58.8		102%	100%	102%	103%	106%	
				50000000	8.1	9.3	8.7	13.2	55.6	470.4	8.2	9.2	9.0	13.8	57.8	497.0	101%	99%	103%	105%	104%	106%
		100	1	1000000	8.4	9.4	13.5	57.0			8.4	9.2	13.9	57.6			100%	98%	103%	101%		
				10000000	9.4	9.0	13.6	55.6	469.1		9.5	9.0	14.1	57.6	488.3		102%	100%	103%	104%	104%	
				50000000	9.5	9.5	13.7	55.9	483.4	9013.9	9.8	9.2	14.4	58.1	488.0	9313.5	102%	97%	104%	104%	101%	103%
			10	1000000	8.4	9.5	13.7				8.5	9.3	13.8				101%	98%	100%			
				10000000	9.5	9.3	13.8	55.9			9.7	9.2	14.1	57.8			102%	99%	103%	103%		
				50000000	9.8	9.5	14.0	56.1	468.6		9.7	9.8	14.2	58.1	490.9		99%	103%	102%	103%	105%	
xeon	cycle	5	1	1000000	10.2	10.0	9.9	14.3	56.6	417.9	10.0	9.7	9.9	13.8	60.7	436.6	98%	97%	100%	97%	107%	104%
				10000000	9.9	9.6	10.4	14.5	58.5	625.6	10.6	10.6	11.1	15.0	62.0	637.2	107%	111%	107%	104%	106%	102%
				100000000	9.2	9.9	11.4	14.7	58.4	646.9	10.2	10.4	11.0	14.1	62.0	636.2	110%	105%	97%	96%	106%	98%
			10	1000000	10.2	9.2	10.9	15.0	66.4		10.1	10.1	10.2	15.1	72.5		100%	109%	94%	101%	109%	
				10000000	9.7	10.5	11.4	15.3	74.1	1771.6	9.7	10.3	10.9	14.9	74.9	1923.8	100%	99%	95%	97%	101%	109%
				100000000	10.4	10.2	11.9	15.4	75.6	1808.4	9.3	10.5	11.2	14.9	73.6	1954.7	89%	104%	94%	97%	97%	108%
		10	1	1000000	9.7	9.9	11.6	18.5	113.3		10.2	9.9	10.5	18.7	108.7		104%	100%	91%	101%	96%	
				10000000	10.0	9.7	11.4	19.3	98.6	1335.1	10.1	9.9	11.7	19.3	109.1	1414.6	101%	102%	102%	100%	111%	106%
				100000000	9.7	10.5	11.9	20.4	103.0	1399.7	9.7	10.4	11.2	19.0	110.1	1487.0	100%	99%	94%	93%	107%	106%
			10	1000000	9.8	9.5	10.9	21.8			9.9	9.8	10.6	21.3			100%	103%	98%	98%		
				10000000	9.9	10.3	12.4	22.4	124.6		9.7	11.1	11.9	21.5	132.5		98%	108%	96%	96%	106%	
				100000000	10.7	9.8	10.4	21.1	132.7	3394.3	9.9	9.5	10.4	21.2	135.3	3513.8	92%	97%	100%	100%	102%	104%
		100	1	1000000	10.4	10.4	18.5	92.8			10.5	11.2	18.3	99.6			101%	108%	99%	107%		
				10000000	10.2	11.3	17.8	92.0	894.0		10.3	10.8	19.2	100.8	1011.4		101%	96%	108%	110%	113%	
				100000000	10.6	11.0	17.4	93.4	994.1	16215.9	10.1	11.6	19.9	101.3	1145.1	17342.7	95%	106%	114%	108%	115%	107%
			10	1000000	10.8	10.7	20.0				10.3	11.0	21.2				95%	103%	106%			
				10000000	10.2	11.5	20.4	119.8			9.9	11.1	21.4	131.9			97%	96%	105%	110%		
				100000000	10.3	11.6	20.8	117.8	3221.3		10.4	12.0	21.2	131.4	3434.6		101%	104%	102%	112%	107%	
	random	5	1	1000000	10.0	10.2	10.5	17.7	70.1	389.6	9.9	10.3	10.5	16.7	72.4	407.4	99%	101%	101%	94%	103%	105%
				10000000	10.4	9.7	10.6	17.5	81.0	2005.3	9.5	9.8	10.5	17.1	84.4	2118.5	92%	101%	99%	98%	104%	106%
				100000000	10.4	10.0	11.7	17.6	86.6	2361.5	9.8	10.4	10.9	16.7	87.9	2710.9	94%	104%	93%	95%	101%	115%
			10	1000000	9.7	9.7	10.6	17.5	68.9		9.6	9.7	11.2	16.9	70.2		98%	100%	105%	96%	102%	
				10000000	9.8	10.1	10.1	17.6	83.0	1980.9	9.9	9.6	10.4	17.6	85.2	2175.3	100%	95%	103%	100%	103%	110%
				100000000	9.7	10.2	10.3	17.8	83.5	2380.9	9.2	10.6	10.3	16.8	88.4	2701.9	95%	104%	99%	94%	106%	113%
		10	1	1000000	9.9	10.1	12.7	23.5	113.0		9.5	10.2	12.1	23.2	126.5		96%	101%	96%	99%	112%	
				10000000	9.9	9.8	11.2	24.5	142.7	3634.7	9.9	9.6	11.9	24.0	148.1	4014.8	100%	98%	106%	98%	104%	110%
				100000000	10.3	10.2	11.3	24.1	156.4	4660.3	10.5	10.4	11.1	24.1	172.9	5097.9	102%	102%	99%	100%	111%	109%
			10	1000000	9.7	10.5	11.2	23.5			9.7	9.9	11.4	23.3			99%	94%	102%	99%		
				10000000	10.5	10.2	12.1	23.9	150.7		9.9	10.6	10.8	24.1	147.8		94%	104%	89%	101%	98%	
				100000000	10.0	10.7	11.2	23.8	157.2	4578.1	10.7	10.9	11.1	23.9	169.2	5075.6	107%	102%	98%	100%	108%	111%
		100	1	1000000	10.1	12.1	23.4	118.5			9.8	11.3	23.7	130.0			98%	93%	101%	110%		
				10000000	9.8	13.1	24.2	140.8	3792.0		9.7	12.2	24.2	163.1	4322.7		98%	93%	100%	116%	114%	

scan	build	mach	pattern	p1	p2	size																		
						100000000	10.5	13.1	26.1	155.9	4811.2	43822.2	10.1	12.0	24.2	177.7	5263.3	48488.8	97%	92%	93%	114%	109%	111%
					10	1000000	10.1	11.4	23.1				9.8	10.9	23.9				97%	95%	103%			
						10000000	10.1	13.0	24.3	147.9			10.1	10.8	23.6	153.8			100%	83%	97%	104%		
						100000000	9.5	12.6	23.6	163.6	4734.8		10.0	10.8	25.0	168.1	5433.8		105%	86%	106%	103%	115%	
			sequential	5	1	1000000	10.0	10.7	11.0	12.9	38.4	293.8	9.9	10.7	10.4	13.2	40.2	332.7	98%	100%	95%	102%	105%	113%
						10000000	9.7	9.5	10.8	12.4	39.9	390.4	10.0	9.5	10.4	12.7	39.2	292.6	103%	101%	97%	102%	98%	75%
						100000000	9.8	10.3	10.1	12.4	39.6	367.0	9.4	10.0	10.2	12.4	40.4	358.4	96%	97%	102%	100%	102%	98%
					10	1000000	9.7	10.7	10.1	13.7	39.7		10.2	9.6	10.3	12.7	40.1		105%	90%	102%	93%	101%	
						10000000	10.4	9.5	11.1	12.5	39.2	287.5	10.1	10.2	10.8	12.2	40.6	302.0	97%	107%	97%	97%	103%	105%
						100000000	9.4	9.4	10.3	12.9	39.9	387.1	10.1	10.1	10.3	12.2	40.9	403.8	108%	108%	100%	95%	102%	104%
				10	1	1000000	9.8	9.7	10.6	16.6	64.8		9.8	10.9	11.0	15.8	69.5		100%	112%	104%	95%	107%	
						10000000	10.2	9.2	10.5	15.7	68.9	615.7	9.6	9.7	10.6	16.1	69.0	671.0	93%	106%	101%	102%	100%	109%
						100000000	10.8	10.4	10.4	15.8	68.2	793.0	9.4	9.9	10.2	15.8	69.8	772.3	87%	96%	98%	100%	102%	97%
					10	1000000	10.3	10.5	11.0	16.6			10.6	10.5	10.8	15.7			103%	100%	99%	94%		
						10000000	9.7	9.8	11.0	15.6	67.8		9.5	10.3	11.2	16.0	70.5		98%	105%	101%	103%	104%	
						100000000	9.6	10.4	10.5	15.8	64.2	624.1	9.2	10.3	10.3	15.9	70.2	814.0	95%	100%	99%	101%	109%	130%
				100	1	1000000	11.2	11.4	16.4	68.3			10.7	10.9	16.4	70.1			96%	95%	100%	103%		
						10000000	10.6	10.7	16.3	68.4	738.8		10.7	10.1	16.3	71.0	747.7		101%	95%	100%	104%	101%	
						100000000	9.4	10.6	16.1	67.5	764.7	10031.8	9.3	10.1	16.2	69.9	671.0	10438.9	99%	95%	100%	104%	88%	104%
					10	1000000	10.6	10.7	16.2				10.6	10.8	16.2				100%	102%	100%			
						10000000	10.6	10.7	16.4	68.5			10.3	10.4	16.8	71.4			97%	97%	103%	104%		
						100000000	9.8	10.7	16.2	68.5	577.9		9.9	9.9	16.1	70.1	768.0		101%	93%	99%	102%	133%	
seqscan	master	i5	cycle	5	1	1000000	181.8	184.5	181.7	187.3	201.6	356.3	181.1	180.6	181.9	183.4	201.2	355.7	100%	98%	100%	98%	100%	100%
						10000000	1722.1	1720.7	1715.4	1722.5	1770.9	2025.8	1715.0	1719.1	1716.1	1760.2	1742.1	1914.1	100%	100%	100%	102%	98%	94%
						50000000	15702.8	15654.2	15687.9	15756.1	15757.8	15799.7	15665.5	15695.1	15672.3	15694.9	15691.4	15958.9	100%	100%	100%	100%	100%	101%
					10	1000000	180.3	180.2	181.3	184.6	203.6		181.0	180.7	180.7	185.0	206.8		100%	100%	100%	100%	102%	
						10000000	1716.4	1728.9	1714.8	1720.3	1747.0	1967.7	1718.6	1715.4	1791.9	1718.6	1774.2	1932.4	100%	99%	104%	100%	102%	98%
						50000000	15653.6	15572.9	15659.9	15669.2	15784.5	15816.7	15688.9	15609.2	17432.0	15614.1	15657.2	15799.5	100%	100%	111%	100%	99%	100%
				10	1	1000000	158.4	163.1	162.8	168.6	200.6		162.5	160.7	161.6	168.8	199.8		103%	99%	99%	100%	100%	
						10000000	1527.0	1527.2	1532.2	1522.9	1586.0	1886.7	1548.2	1515.7	1524.5	1512.5	1600.0	1892.0	101%	99%	99%	99%	101%	100%
						50000000	15542.5	15403.5	15461.8	15495.7	15571.8	15793.3	15518.3	15448.9	15919.8	15440.0	15513.6	16263.2	100%	100%	103%	100%	100%	103%
					10	1000000	165.3	162.4	168.4	169.5			163.6	162.5	163.7	169.3			99%	100%	97%	100%		
						10000000	1561.6	1536.0	1496.3	1563.0	1585.8		1534.5	1569.8	1518.8	1529.6	1608.6		98%	102%	102%	98%	101%	
						50000000	17155.9	15436.9	15398.5	15468.1	15491.8	15805.2	15627.1	15396.4	15457.6	15501.1	15517.6	15702.7	91%	100%	100%	100%	100%	99%
				100	1	1000000	166.3	175.0	181.1	205.8			170.6	168.3	175.8	206.3			103%	96%	97%	100%		
						10000000	1586.5	1603.3	1579.9	1629.8	2014.0		1618.7	1585.6	1584.6	1620.1	1969.5		102%	99%	100%	99%	98%	
						50000000	15598.1	15486.9	16103.0	16201.8	15870.3	18580.3	15639.7	17587.7	15477.2	16383.2	15800.5	18673.7	100%	114%	96%	101%	100%	101%
					10	1000000	169.4	175.2	174.2				169.7	169.4	174.1				100%	97%	100%			
						10000000	1598.6	1601.2	1710.4	1706.0			1615.1	1578.5	1666.0	1658.7			101%	99%	97%	97%		
						50000000	15425.4	15659.5	15570.2	16045.5	16366.7		16015.9	16060.1	15504.4	15549.9	16316.9		104%	103%	100%	97%	100%	
			random	5	1	1000000	181.9	181.2	182.7	189.3	203.2	338.9	183.6	181.3	184.3	186.3	203.6	357.4	101%	100%	101%	98%	100%	105%
						10000000	1712.8	1716.6	1714.3	1726.5	1755.0	1913.7	1715.1	1712.7	1715.1	1747.4	1752.0	1922.6	100%	100%	100%	101%	100%	100%
						50000000	15731.5	16004.7	18134.2	15728.3	15840.7	16094.1	16756.9	15680.9	15606.8	15713.3	16475.9	16551.9	107%	98%	86%	100%	104%	103%
					10	1000000	180.9	182.3	181.9	188.9	206.9		181.3	181.5	181.5	185.2	203.8		100%	100%	100%	98%	99%	
						10000000	1715.1	1715.4	1748.2	1723.6	1754.4	1977.9	1713.6	1714.8	1710.2	1721.9	1787.2	1967.1	100%	100%	98%	100%	102%	99%
						50000000	15638.7	15610.7	15673.0	15712.4	15716.9	15939.7	16057.0	15622.9	15684.5	15692.7	15750.6	15848.9	103%	100%	100%	100%	100%	99%
				10	1	1000000	165.8	164.4	164.5	169.2	201.9		163.8	162.8	163.9	170.7	209.9		99%	99%	100%	101%	104%	
						10000000	1550.6	1518.8	1525.2	1544.8	1576.9	1937.8	1532.0	1535.7	1553.9	1561.9	1574.6	1972.1	99%	101%	102%	101%	100%	102%
						50000000	15421.4	15482.8	15420.2	15514.9	16267.2	15834.7	15386.0	15382.8	15467.1	16042.6	15436.8	16270.4	100%	99%	100%	103%	95%	103%
					10	1000000	159.6	164.1	168.4	170.9			162.8	165.2	165.2	166.3			102%	101%	98%	97%		
						10000000	1538.6	1534.0	1509.6	1561.5	1607.6		1525.7	1511.8	1601.1	1542.6	1605.7		99%	99%	106%	99%	100%	
						50000000	15771.5	17204.3	15547.7	15513.0	16126.4	17584.2	15460.0	16545.1	15450.0	15469.2	15527.4	16191.7	98%	96%	99%	100%	96%	92%
				100	1	1000000	172.8	169.9	174.0	213.3			169.8	170.4	177.5	210.3			98%	100%	102%	99%		
						10000000	1611.6	1609.8	1570.7	1635.2	2037.8		1670.5	1584.3	1601.6	1677.7	1998.0		104%	98%	102%	103%	98%	
						50000000	15436.3	15585.4	15610.7	15562.4	15799.1	19109.7	15484.1	15522.7	15475.1	15630.3	16309.9	18740.8	100%	100%	99%	100%	103%	98%
					10	1000000	171.3	168.7	175.9				169.0	169.3	181.1				99%	100%	103%			
						10000000	1606.5	1680.4	1611.3	1672.1			1674.1	1620.5	1620.1	1681.3			104%	96%	101%	101%		
						50000000	15522.4	15546.7	16037.1	15572.8	16321.8		16104.6	15620.8	15499.3	15634.6	16151.4		104%	100%	97%	100%	99%	
			sequential	5	1	1000000	184.6	181.6	182.0	183.3	198.4	348.1	181.4	180.9	180.9	183.9	198.2	315.3	98%	100%	99%	100%	100%	91%

				10000000	1715.9	1717.7	1713.8	1720.0	1738.8	1906.8	1768.4	1725.5	1710.2	1715.7	1735.2	1882.7	103%	100%	100%	100%	100%	99%
				50000000	15693.6	15772.0	15741.8	15857.1	15834.3	16054.3	15713.1	15714.6	15680.7	15668.5	15798.6	16695.6	100%	100%	100%	99%	100%	104%
			10	1000000	181.3	182.2	181.7	183.5	197.8		182.0	183.2	185.1	188.1	198.3		100%	101%	102%	103%	100%	
				10000000	1713.5	1713.2	1717.8	1716.9	1726.6	1886.8	1719.1	1718.2	1716.1	1717.0	1735.7	1901.1	100%	100%	100%	100%	101%	101%
				50000000	15758.0	15821.5	15674.9	15706.1	15705.2	16075.9	15717.3	15732.3	15658.3	15703.0	15740.0	15807.5	100%	99%	100%	100%	100%	98%
		10	1	1000000	164.5	151.7	152.6	158.1	186.1		162.2	153.1	152.8	154.2	192.0		99%	101%	100%	98%	103%	
				10000000	1522.1	1443.9	1421.6	1415.5	1452.1	1757.9	1500.8	1446.4	1447.1	1452.8	1460.9	1777.4	99%	100%	102%	103%	101%	101%
				50000000	15501.5	15418.2	15364.4	15425.1	15458.5	16104.8	15524.3	15462.0	15417.1	15465.3	15424.6	16055.0	100%	100%	100%	100%	100%	100%
			10	1000000	161.2	151.7	153.4	155.9			160.4	152.9	152.3	157.3			99%	101%	99%	101%		
				10000000	1523.5	1440.6	1428.3	1423.7	1457.7		1554.4	1457.2	1427.5	1425.2	1463.7		102%	101%	100%	100%	100%	
				50000000	15554.7	15439.6	15403.2	15443.3	15382.7	15714.0	15533.1	15388.7	15333.5	16062.4	15990.8	15722.7	100%	100%	100%	104%	104%	100%
		100	1	1000000	169.8	157.7	163.6	192.2			168.8	156.3	164.0	192.1			99%	99%	100%	100%		
				10000000	1632.2	1551.7	1542.4	1526.0	1936.3		1601.2	1508.1	1474.8	1514.3	1838.8		98%	97%	96%	99%	95%	
				50000000	15635.1	15493.1	15466.8	15504.0	15710.5	22360.9	15601.6	15474.8	15591.6	16017.9	16087.1	19007.4	100%	100%	101%	103%	102%	85%
			10	1000000	170.8	158.9	161.6				168.6	165.0	160.0				99%	104%	99%			
				10000000	1645.5	1538.9	1548.5	1495.1			1654.7	1571.6	1514.7	1503.4			101%	102%	98%	101%		
				50000000	15601.0	15943.7	15487.9	15587.2	16082.8		15543.9	16475.6	16751.6	15575.5	17144.1		100%	103%	108%	100%	107%	
xeon	cycle	5	1	1000000	194.8	195.7	197.4	199.0	225.3	461.5	196.5	196.0	195.5	198.1	225.5	423.9	101%	100%	99%	100%	100%	92%
				10000000	1839.2	1840.4	1846.1	1835.4	1868.3	2267.0	1828.7	1840.1	1841.7	1832.0	1865.3	2171.2	99%	100%	100%	100%	100%	96%
				100000000	19447.9	18433.9	18384.0	19295.5	18362.8	18856.8	18327.2	18459.0	18299.6	19633.8	18543.2	18676.0	94%	100%	100%	102%	101%	99%
			10	1000000	196.6	197.1	194.8	198.8	220.8		197.7	196.9	197.2	201.0	224.7		101%	100%	101%	101%	102%	
				10000000	1827.7	1839.9	1845.7	1830.7	1872.1	2123.0	1827.8	1851.2	1851.0	1836.9	1875.5	2258.0	100%	101%	100%	100%	100%	106%
				100000000	18291.7	18519.7	18434.1	18436.7	18700.9	18915.1	18334.9	18504.3	18499.7	18304.8	18636.6	20616.3	100%	100%	100%	99%	100%	109%
		10	1	1000000	186.3	188.7	184.1	190.8	241.0		186.5	186.7	187.6	191.7	241.6		100%	99%	102%	100%	100%	
				10000000	1745.5	1742.3	1721.5	1767.4	1823.0	2342.1	1753.1	1728.2	1712.2	1766.5	1829.1	2449.7	100%	99%	99%	100%	100%	105%
				100000000	17604.5	17501.2	17826.9	17550.1	17894.4	17917.8	17538.5	17564.0	17688.2	17714.1	17332.0	18184.3	100%	100%	99%	101%	97%	101%
			10	1000000	186.3	188.6	187.1	192.6			187.1	184.0	185.7	191.6			100%	98%	99%	99%		
				10000000	1742.6	1741.5	1719.7	1730.8	1863.4		1776.6	1734.8	1753.4	1730.8	1789.5		102%	100%	102%	100%	96%	
				100000000	17423.3	17636.4	17714.6	17507.4	17901.2	18017.0	17340.3	17736.5	17290.1	17508.3	17773.2	17967.9	100%	101%	98%	100%	99%	100%
		100	1	1000000	192.6	197.8	197.5	241.4			193.7	192.9	197.1	239.8			101%	97%	100%	99%		
				10000000	1783.9	1811.1	1802.4	1853.6	2309.2		1798.5	1784.8	1833.3	1815.4	2289.4		101%	99%	102%	98%	99%	
				100000000	18085.6	18292.7	17816.4	18043.1	18906.5	26629.7	18542.0	17879.7	18087.9	18868.4	18745.1	26499.6	103%	98%	102%	105%	99%	100%
			10	1000000	192.8	191.9	212.9				192.8	192.2	199.9				100%	100%	94%			
				10000000	1778.2	1819.8	1799.4	1915.6			1762.8	1806.6	1789.4	1885.0			99%	99%	99%	98%		
				100000000	18509.0	18529.4	18604.8	17948.8	18815.4		18579.7	18039.0	18094.1	17946.4	18477.3		100%	97%	97%	100%	98%	
	random	5	1	1000000	195.8	197.7	196.5	199.0	225.7	470.2	196.1	197.4	197.2	200.5	225.8	529.3	100%	100%	100%	101%	100%	113%
				10000000	1828	1836.4	1833.8	1834.4	1863.7	2121.2	1834.7	1834.6	1826.4	1840.6	1871.9	2144.3	100%	100%	100%	100%	100%	101%
				100000000	18400.5	18451.5	19552.3	18464.4	18635.9	18801.0	18450.0	18405.8	18273.3	18401.2	18537.0	18839.2	100%	100%	93%	100%	99%	100%
			10	1000000	195.3	197.2	195.1	201.5	218.3		195.0	195.9	198.4	203.4	224.8		100%	99%	102%	101%	103%	
				10000000	1847.9	1834.2	1843.7	1838.0	1873.9	2113.1	1828.6	1828.3	1837.0	1851.6	1869.6	2244.0	99%	100%	100%	101%	100%	106%
				100000000	18436.4	18310.6	18307.3	18442.1	18507.3	18768.0	18455.3	18275.1	18431.4	18421.0	18698.6	18987.8	100%	100%	101%	100%	101%	101%
		10	1	1000000	188.2	189.3	189.0	192.6	252.5		187.6	186.5	187.4	192.3	235.9		100%	99%	99%	100%	93%	
				10000000	1774.4	1748.4	1756.1	1758.0	1858.6	2397.5	1741.7	1736.5	1724.9	1775.8	1809.0	2507.5	98%	99%	98%	101%	97%	105%
				100000000	17389.5	17538.0	17581.4	17318.3	17911.0	18492.7	17583.7	17196.6	17747.8	17301.5	18112.7	18416.4	101%	98%	101%	100%	101%	100%
			10	1000000	182.4	185.9	187.8	194.1			184.2	185.4	189.0	196.3			101%	100%	101%	101%		
				10000000	1739.6	1741.7	1723.6	1748.6	1801.9		1747.1	1751.3	1760.1	1792.6	1806.2		101%	101%	102%	103%	100%	
				100000000	17901.1	17400.8	17795.0	17618.7	17698.6	18520.0	17638.3	17636.7	17328.5	17372.5	17851.9	18780.4	99%	101%	97%	99%	101%	101%
		100	1	1000000	190.6	193.3	196.5	252.4			202.5	192.1	199.3	260.2			106%	99%	101%	103%		
				10000000	1781.4	1827.5	1802.1	1856.8	2564.3		1781.0	1847.0	1856.8	1861.9	2423.8		100%	101%	103%	100%	95%	
				100000000	18322.7	18185.4	17892.5	18623.4	18996.2	26268.0	18203.1	17906.3	18293.5	18377.9	19266.9	26406.1	99%	98%	102%	99%	101%	101%
			10	1000000	196.0	191.5	200.4				192.6	193.9	198.6				98%	101%	99%			
				10000000	1779.7	1768.9	1871.3	1987.4			1798.0	1824.8	1770.4	1974.6			101%	103%	95%	99%		
				100000000	17906.9	18086.0	18030.7	18463.7	19175.6		18330.5	17770.7	18444.9	17975.2	19598.8		102%	98%	102%	97%	102%	
	sequential	5	1	1000000	196.8	195.6	197.1	198.4	213.3	354.4	195.8	195.9	197.5	197.1	217.0	524.9	100%	100%	100%	99%	102%	148%
				10000000	1825.6	1826.3	1850.0	1848.9	1846.6	2044.0	1826.9	1823.7	1839.4	1852.0	1852.1	2088.0	100%	100%	99%	100%	100%	102%
				100000000	19587.6	18641.9	19618.7	19569.1	19738.1	19592.5	18428.2	18381.9	18285.5	19768.8	18310.2	18588.2	94%	99%	93%	101%	93%	95%
			10	1000000	197.6	193.9	198.0	196.1	212.6		194.8	194.6	198.4	198.1	218.3		99%	100%	100%	101%	103%	
				10000000	1825.6	1825.9	1829.6	1831.0	1849.6	2090.5	1841.8	1847.9	1829.0	1829.9	1852.3	2092.0	101%	101%	100%	100%	100%	100%
				100000000	18408.4	18308.5	18440.2	18607.3	18412.6	18646.5	18474.1	18398.0	18507.2	19440.6	18555.7	18557.0	100%	100%	100%	104%	101%	100%

						v1a	v1b	v1c	v1d	v1e	v1f	v2a	v2b	v2c	v2d	v2e	v2f	p1	p2	p3	p4	p5	p6
				10	1	1000000	186.3	175.4	176.5	176.8	217.4		189.9	176.5	174.8	178.9	211.4		102%	101%	99%	101%	97%	
						10000000	1736.3	1634.0	1612.2	1702.8	1677.8	2212.2	1757.1	1668.4	1612.9	1610.0	1667.0	2211.5	101%	102%	100%	95%	99%	100%
						100000000	18026.0	16433.9	16437.4	16308.5	16448.7	16994.2	17547.2	16395.7	16499.3	16164.1	16107.8	16948.4	97%	100%	100%	99%	98%	100%
					10	1000000	187.7	179.6	175.7	177.5			188.3	176.9	179.5	178.9			100%	99%	102%	101%		
						10000000	1745.8	1629.4	1638.3	1604.9	1655.7		1766.5	1665.0	1621.2	1625.7	1668.4		101%	102%	99%	101%	101%	
						100000000	17362.8	16338.0	16341.3	16420.9	16168.3	16736.0	17703.4	17514.0	16253.3	16302.5	16119.0	16725.2	102%	107%	99%	99%	100%	100%
				100	1	1000000	190.6	185.3	189.2	220.5			191.2	181.7	185.2	218.2			100%	98%	98%	99%		
						10000000	1827.4	1681.8	1688.8	1708.6	2065.4		1795.5	1702.4	1690.6	1715.9	2151.0		98%	101%	100%	100%	104%	
						100000000	18462.3	17668.9	16462.0	18434.0	16910.6	23872.3	17980.1	16914.3	16599.8	16622.7	17109.3	24239.2	97%	96%	101%	90%	101%	102%
					10	1000000	194.7	186.2	183.3				194.7	183.0	184.1				100%	98%	100%			
						10000000	1816.8	1753.3	1700.7	1737.5			1822.0	1685.1	1667.2	1684.4			100%	96%	98%	97%		
						100000000	19291.3	17712.1	17072.6	17229.3	17596.7		18080.4	17236.9	17022.4	16545.3	17534.5		94%	97%	100%	96%	100%	
patched	i5	cycle	5	1	1000000	180.0	181.4	180.8	183.9	199.9	330.0	181.0	180.6	180.8	184.1	201.0	354.3	101%	100%	100%	100%	101%	107%
					10000000	1703.7	1703.0	1728.5	1723.9	1743.4	1916.2	1706.1	1705.8	1716.7	1709.3	1772.5	1916.5	100%	100%	99%	99%	102%	100%
					50000000	15663.1	15644.3	15629.1	15730.0	15787.0	15805.3	15721.5	15657.6	16037.2	15718.7	15639.2	15869.2	100%	100%	103%	100%	99%	100%
				10	1000000	179.9	179.9	179.8	184.2	215.4		179.8	180.2	180.4	184.1	202.4		100%	100%	100%	100%	94%	
					10000000	1706.9	1715.8	1730.4	1717.6	1751.0	1924.3	1705.1	1703.7	1702.3	1714.1	1737.8	1929.9	100%	99%	98%	100%	99%	100%
					50000000	15739.2	16884.1	15626.4	15634.6	15647.7	16090.0	15665.8	15640.8	15671.5	15709.9	15774.6	15828.0	100%	93%	100%	100%	101%	98%
			10	1	1000000	162.4	160.0	163.6	170.6	200.5		160.8	161.8	165.0	166.8	198.5		99%	101%	101%	98%	99%	
					10000000	1521.1	1518.1	1511.2	1528.5	1599.6	1890.9	1530.4	1538.8	1543.5	1528.5	1581.1	1869.8	101%	101%	102%	100%	99%	99%
					50000000	16097.8	15453.1	15450.5	15475.1	15589.4	16110.8	15399.1	15478.3	15511.2	15669.1	16861.6	15769.5	96%	100%	100%	101%	108%	98%
				10	1000000	162.2	162.9	163.2	167.3			162.7	166.5	167.2	169.1			100%	102%	102%	101%		
					10000000	1537.4	1525.8	1567.4	1533.5	1601.9		1522.6	1548.0	1570.5	1528.9	1580.6		99%	101%	100%	100%	99%	
					50000000	15411.1	15429.2	15443.7	15455.9	15577.5	16025.4	15463.4	16045.7	15958.5	15491.3	15560.1	15758.2	100%	104%	103%	100%	100%	98%
			100	1	1000000	173.5	167.2	178.9	209.1			170.2	170.7	172.9	207.1			98%	102%	97%	99%		
					10000000	1611.3	1604.6	1618.1	1627.0	1959.1		1658.5	1609.9	1608.7	1660.8	1958.4		103%	100%	99%	102%	100%	
					50000000	15538.0	15517.3	16171.7	15611.0	15866.6	18758.6	15547.1	15457.3	15462.7	15663.8	15756.1	22091.7	100%	100%	96%	100%	99%	118%
				10	1000000	165.2	170.6	177.1				176.6	169.7	176.5				107%	99%	100%			
					10000000	1565.4	1571.4	1576.4	1627.5			1589.2	1642.6	1585.8	1615.5			102%	105%	101%	99%		
					50000000	15662.2	15503.6	15466.8	15668.2	15885.2		17362.3	15508.2	15491.5	15806.5	15931.2		111%	100%	100%	101%	100%	
		random	5	1	1000000	186.2	182.3	180.6	184.2	203.0	339.1	180.4	180.1	182.3	185.6	203.1	353.0	97%	99%	101%	101%	100%	104%
					10000000	1708.6	1703.5	1729.6	1713.0	1751.8	1938.5	1746.0	1705.7	1710.9	1723.9	1738.2	1910.4	102%	100%	99%	101%	99%	99%
					50000000	15649.0	16512.2	15678.1	15741.3	15740.8	15840.8	15624.2	15639.8	15729.8	16009.2	15764.8	16582.2	100%	95%	100%	102%	100%	105%
				10	1000000	180.0	180.6	180.6	183.8	203.1		182.1	180.7	180.5	185.7	203.3		101%	100%	100%	101%	100%	
					10000000	1729.4	1711.8	1710.3	1713.3	1751.4	1963.9	1708.2	1708.4	1708.5	1715.9	1733.7	1937.9	99%	100%	100%	100%	99%	99%
					50000000	15747.5	15681.3	15684.3	16510.6	15835.7	15960.1	15614.2	15549.5	17378.8	15716.7	16258.8	16112.6	99%	99%	111%	95%	103%	101%
			10	1	1000000	161.7	162.5	162.5	167.4	203.7		164.0	164.2	164.4	171.1	204.8		101%	101%	101%	102%	101%	
					10000000	1512.7	1529.1	1536.0	1535.8	1580.7	1958.2	1546.6	1554.4	1541.0	1541.7	1567.8	1920.4	102%	102%	100%	100%	99%	98%
					50000000	15613.5	15455.7	15541.9	15993.3	15516.3	16677.1	16229.8	15959.5	15503.1	15501.6	15488.5	15970.5	104%	103%	100%	97%	100%	96%
				10	1000000	163.2	163.6	163.6	172.7			162.3	164.7	164.5	170.0			99%	101%	101%	98%		
					10000000	1582.1	1535.0	1517.6	1547.8	1576.8		1516.0	1504.6	1532.4	1557.7	1578.0		96%	98%	101%	101%	100%	
					50000000	15470.7	15495.6	15491.0	15571.1	15571.7	16327.6	15460.2	15521.6	15456.5	15528.3	16059.6	15871.0	100%	100%	100%	100%	103%	97%
			100	1	1000000	176.2	173.1	175.5	213.1			173.4	175.1	176.0	212.0			98%	101%	100%	99%		
					10000000	1593.2	1687.3	1607.0	1653.8	2072.7		1628.9	1588.3	1636.2	1634.4	2009.0		102%	94%	102%	99%	97%	
					50000000	16157.9	15509.5	15662.4	15589.0	16213.8	22050.7	15486.2	15537.9	15948.6	15667.9	16026.0	19038.4	96%	100%	102%	101%	99%	86%
				10	1000000	168.8	168.5	186.5				184.8	171.0	180.5				109%	101%	97%			
					10000000	1589.3	1574.1	1585.8	1682.7			1607.0	1598.0	1604.4	1681.4			101%	102%	101%	100%		
					50000000	15604.2	15587.3	15504.5	15506.6	15862.8		16639.1	16370.2	15529.4	15621.6	17280.2		107%	105%	100%	101%	109%	
		sequential	5	1	1000000	182.6	181.3	184.2	182.3	197.5	347.0	180.6	180.4	182.6	181.6	197.3	314.8	99%	99%	99%	100%	100%	91%
					10000000	1706.4	1709.3	1702.1	1703.6	1730.6	1879.7	1757.1	1741.6	1706.4	1711.4	1723.3	1885.4	103%	102%	100%	100%	100%	100%
					50000000	15665.9	15616.6	15796.7	15681.7	15776.5	16062.7	15610.3	15736.7	15795.2	15575.8	15718.6	15799.4	100%	101%	100%	99%	100%	98%
				10	1000000	179.4	180.1	180.1	185.2	210.7		179.9	180.2	180.8	181.8	196.6		100%	100%	100%	98%	93%	
					10000000	1701.6	1718.9	1709.5	1712.4	1720.8	1877.7	1700.2	1722.5	1712.5	1708.9	1725.6	1895.4	100%	100%	100%	100%	100%	101%
					50000000	15873.0	15703.2	15689.3	15650.4	15687.3	16078.1	15808.8	15760.5	15791.5	15629.9	15932.0	16053.2	100%	100%	101%	100%	102%	100%
			10	1	1000000	162.3	153.4	153.2	153.7	185.7		163.2	153.3	152.3	155.7	188.9		101%	100%	99%	101%	102%	
					10000000	1519.0	1465.3	1413.5	1406.9	1446.9	1749.1	1526.8	1438.3	1454.1	1413.7	1450.1	1747.9	101%	98%	103%	100%	100%	100%
					50000000	15568.2	15497.0	16027.5	15356.4	15601.2	15697.1	15517.7	15415.7	15440.2	15747.2	15461.4	15710.3	100%	99%	96%	103%	99%	100%
				10	1000000	163.7	152.8	154.4	156.4			162.1	152.3	152.0	157.7			99%	100%	98%	101%		
					10000000	1579.5	1425.1	1430.5	1416.9	1462.2		1526.8	1440.6	1406.1	1441.6	1448.8		97%	101%	98%	102%	99%	

					v1	v2	v3	v4	v5	v6	w1	w2	w3	w4	w5	w6	p1	p2	p3	p4	p5	p6
				50000000	15548.0	15489.4	15392.7	15408.6	15519.7	16675.7	15592.2	15536.8	15411.3	15442.7	15447.9	16245.9	100%	100%	100%	100%	100%	97%
		100	1	1000000	167.4	159.6	159.6	194.0			168.6	162.2	161.3	199.6			101%	102%	101%	103%		
				10000000	1611.0	1496.4	1447.3	1509.0	1829.7		1607.6	1465.5	1558.7	1521.5	1916.2		100%	98%	108%	101%	105%	
				50000000	15574.6	16130.7	15421.0	15533.8	16153.3	22678.7	15616.7	15550.7	15433.2	15559.2	15770.0	22411.3	100%	96%	100%	100%	98%	99%
			10	1000000	173.7	161.5	163.2				167.3	160.8	160.3				96%	100%	98%			
				10000000	1592.4	1486.4	1512.1	1511.0			1552.9	1490.9	1479.4	1510.4			98%	100%	98%	100%		
				50000000	15633.7	15570.6	15416.0	15549.2	16033.9		15696.9	15493.1	15447.0	16476.3	16075.6		100%	100%	100%	106%	100%	
xeon	cycle	5	1	1000000	196.0	196.0	195.1	202.2	228.9	454.2	197.7	198.8	197.7	197.8	224.7	376.1	101%	101%	101%	98%	98%	83%
				10000000	1834.7	1848.7	1842.9	1870.7	1931.7	2248.9	1842.6	1844.3	1845.6	1886.2	1906.8	2137.2	100%	100%	100%	101%	99%	95%
				100000000	18335.4	18416.6	18523.2	18517.1	18790.6	18763.5	18345.1	18423.2	18665.4	18595.4	18937.0	18956.4	100%	100%	101%	100%	101%	101%
			10	1000000	196.5	195.8	198.6	199.5	228.1		197.5	197.7	195.2	203.6	225.3		100%	101%	98%	102%	99%	
				10000000	1869.2	1856.0	1856.2	1857.4	1913.0	2135.1	1834.4	1850.8	1859.1	1856.3	1888.4	2139.6	98%	100%	100%	100%	99%	100%
				100000000	18572.4	18640.4	18754.9	18356.8	19048.2	19058.2	18600.2	18621.0	18401.3	18383.0	18634.7	18856.4	100%	100%	98%	100%	98%	99%
		10	1	1000000	186.0	189.1	188.5	197.6	232.6		189.0	189.0	185.0	191.8	237.7		102%	100%	98%	97%	102%	
				10000000	1749.0	1744.7	1772.3	1765.9	1837.1	2277.0	1735.0	1758.4	1753.8	1723.4	1827.0	2124.7	99%	101%	99%	98%	99%	93%
				100000000	17481.9	18168.2	17514.8	17490.2	17866.6	18327.6	17639.3	17864.9	18128.5	17444.0	17819.7	18056.1	101%	98%	104%	100%	100%	99%
			10	1000000	185.9	190.3	184.7	191.7			185.6	185.3	187.2	194.9			100%	97%	101%	102%		
				10000000	1749.1	1779.8	1783.9	1758.0	1832.8		1748.2	1778.6	1770.3	1742.4	1844.1		100%	100%	99%	99%	101%	
				100000000	17798.3	18215.7	17683.4	17357.5	17828.6	18307.3	17816.2	17182.6	17489.0	17208.5	17851.2	19019.6	100%	94%	99%	99%	100%	104%
		100	1	1000000	195.2	194.8	201.6	242.7			193.2	198.2	203.0	247.5			99%	102%	101%	102%		
				10000000	1796.7	1820.8	1837.7	1849.7	2318.0		1828.2	1801.9	1818.8	1853.1	2392.5		102%	99%	99%	100%	103%	
				100000000	18284.7	18128.0	17985.4	18449.9	18502.6	26169.0	18245.0	18289.0	18217.3	18334.4	18726.9	26113.2	100%	101%	101%	99%	101%	100%
			10	1000000	200.8	193.5	200.9				194.9	195.9	203.7				97%	101%	101%			
				10000000	1815.6	1798.8	1821.0	1926.8			1915.7	1834.2	1838.9	1875.5			106%	102%	101%	97%		
				100000000	19018.5	18794.7	18123.7	18246.0	18862.1		18408.6	18272.3	18203.6	18419.4	19275.7		97%	97%	100%	101%	102%	
	random	5	1	1000000	194.9	196.9	197.1	201.5	219.3	407.0	196.4	196.7	200.4	201.7	224.7	426.9	101%	100%	102%	100%	102%	105%
				10000000	1860.1	1835.5	1855.2	1876.2	1885.1	2147.0	1858.7	1833.8	1842.4	1861.6	1898.4	2200.5	100%	100%	99%	99%	101%	102%
				100000000	18498.2	18380.3	18832.2	18569.6	19740.0	19117.0	18310.5	18332.1	18615.2	18598.4	18706.0	18700.2	99%	100%	99%	100%	95%	98%
			10	1000000	198.9	196.3	197.2	201.2	224.9		198.4	197.2	198.8	202.1	227.6		100%	100%	101%	100%	101%	
				10000000	1840.8	1839.1	1834.8	1833.2	1887.7	2150.0	1840.6	1855.4	1838.7	1850.9	1880.3	2147.9	100%	101%	100%	101%	100%	100%
				100000000	18579.9	18371.4	18794.3	18493.4	18741.6	18949.8	18305.4	18690.3	18347.6	18695.0	18684.5	18846.8	99%	102%	98%	101%	100%	99%
		10	1	1000000	185.7	184.2	190.5	196.6	238.4		186.8	191.3	190.7	193.7	241.8		101%	104%	100%	99%	101%	
				10000000	1776.8	1787.1	1737.2	1780.9	1836.8	2427.2	1747.1	1726.0	1751.0	1779.4	1838.8	2408.9	98%	97%	101%	100%	100%	99%
				100000000	17881.8	17526.0	17589.9	17678.0	18887.5	18757.1	17957.2	17717.3	17316.6	17892.1	17941.5	18376.0	100%	101%	98%	101%	95%	98%
			10	1000000	190.2	186.5	189.2	197.4			187.8	187.7	189.4	192.5			99%	101%	100%	98%		
				10000000	1766.2	1792.4	1811.0	1755.8	1842.6		1778.4	1735.7	1745.7	1757.4	1831.6		101%	97%	96%	100%	99%	
				100000000	17531.9	17606.7	18202.4	17458.1	17829.2	18149.7	18114.5	17535.6	17505.1	17454.7	17681.1	18284.0	103%	100%	96%	100%	99%	101%
		100	1	1000000	196.5	194.1	210.2	246.4			194.5	196.6	200.9	249.1			99%	101%	96%	101%		
				10000000	1826.4	1802.2	1814.7	1911.1	2577.4		1859.1	1908.5	1821.9	1874.6	2384.1		102%	106%	100%	98%	93%	
				100000000	18584.6	19459.6	18064.2	18951.4	19009.6	26703.6	17910.7	18479.4	18260.0	18616.7	19250.4	26546.9	96%	95%	101%	98%	101%	99%
			10	1000000	191.7	197.5	200.3				194.9	196.5	204.8				102%	99%	102%			
				10000000	1892.2	1846.0	1839.9	1943.4			1795.3	1805.6	1858.0	1881.3			95%	98%	101%	97%		
				100000000	18674.2	19042.9	18249.5	18327.8	19588.6		18474.9	18207.1	18601.4	18422.0	19305.5		99%	96%	102%	101%	99%	
	sequential	5	1	1000000	199.0	198.5	199.9	199.2	216.9	470.5	196.4	197.6	196.0	198.8	214.3	355.5	99%	100%	98%	100%	99%	76%
				10000000	1860.1	1829.2	1851.6	1838.1	1873.3	2047.7	1833.8	1840.4	1828.8	1832.6	1851.2	2050.9	99%	101%	99%	100%	99%	100%
				100000000	18330.0	18614.5	18335.6	18759.5	18624.3	18552.5	18722.1	18582.0	18577.3	18361.1	18641.7	18636.8	102%	100%	101%	98%	100%	100%
			10	1000000	198.1	195.6	197.0	199.2	216.8		196.5	198.7	197.8	196.7	217.6		99%	102%	100%	99%	100%	
				10000000	1878.4	1864.9	1854.3	1845.0	1882.2	2113.2	1867.8	1848.7	1849.6	1834.2	1858.0	2037.8	99%	99%	100%	99%	99%	96%
				100000000	18424.3	18626.8	18379.2	18383.0	18661.8	18596.5	18499.9	18580.2	18462.4	18539.6	18533.8	18855.6	100%	100%	100%	101%	99%	101%
		10	1	1000000	184.1	184.9	176.1	176.6	221.8		188.2	178.5	175.6	178.9	213.1		102%	97%	100%	101%	96%	
				10000000	1762.3	1662.5	1639.2	1618.1	1642.6	2024.5	1784.9	1637.6	1604.6	1658.6	1716.0	2139.7	101%	99%	98%	103%	104%	106%
				100000000	17742.3	16775.1	16303.8	16115.5	16564.5	16762.3	18007.0	16505.5	16486.7	16153.6	16385.7	16884.9	101%	98%	101%	100%	99%	101%
			10	1000000	186.2	178.2	176.9	183.0			189.2	179.3	175.8	181.4			102%	101%	99%	99%		
				10000000	1717.1	1639.3	1655.3	1641.5	1649.6		1749.4	1621.7	1629.4	1648.3	1650.8		102%	99%	98%	100%	100%	
				100000000	17408.5	17161.7	16113.1	16170.1	16280.0	17078.8	17459.0	16827.8	16750.6	16284.7	16253.5	17095.7	100%	98%	104%	101%	100%	100%
		100	1	1000000	200.3	183.5	182.1	221.4			195.3	186.3	186.1	226.2			98%	102%	102%	102%		
				10000000	1838.2	1829.3	1704.1	1725.1	2144.3		1828.3	1750.2	1679.0	1694.5	2194.1		99%	96%	99%	98%	102%	
				100000000	18085.9	16993.7	16955.2	16596.3	17293.0	23874.4	18431.9	17144.3	17090.4	16445.2	17532.3	24248.3	102%	101%	101%	99%	101%	102%
			10	1000000	192.7	192.3	183.9				197.8	199.2	194.0				103%	104%	105%			

									G1a	G1b	G1c	G1d	G1e	G1f	G2a	G2b	G2c	G2d	G2e	G2f	P1	P2	P3	P4	P5	P6
								10000000	1879.4	1716.4	1683.8	1754.1			1825.7	1732.6	1699.6	1696.5			97%	101%	101%	97%		
								100000000	17758.2	17556.5	17145.4	16634.6	17751.6		18543.9	17771.9	18061.0	16722.4	17389.0		104%	101%	105%	101%	98%	
uncached	btree-saop	bitmapscan	master	i5	cycle	5	1	1000000	11.4	13.9	36.7	219.4	555.9	618.1	11.0	12.0	15.3	35.4	252.0	995.7	96%	86%	42%	16%	45%	161%
								10000000	11.5	13.4	37.8	242.0	2023.7	4640.1	11.9	11.9	15.3	35.5	226.2	2177.6	103%	89%	40%	15%	11%	47%
								50000000	11.9	14.7	36.9	258.1	2059.9	21289.8	12.0	13.5	17.1	38.0	231.7	2153.4	101%	92%	46%	15%	11%	10%
							10	1000000	11.4	16.1	74.1	469.3	468.0		11.7	12.5	18.6	63.5	516.0		102%	78%	25%	14%	110%	
								10000000	11.9	16.5	60.1	588.6	4450.4	3711.9	12.4	13.1	19.0	63.8	495.5	4351.9	104%	79%	32%	11%	11%	117%
								50000000	12.2	17.9	65.5	657.6	4551.0	31123.6	12.3	13.5	20.3	63.4	486.4	4310.7	100%	75%	31%	10%	11%	14%
						10	1	1000000	11.3	14.6	48.8	287.9	524.0		11.8	11.5	16.5	43.9	288.2		105%	79%	34%	15%	55%	
								10000000	11.5	14.9	45.3	336.8	2617.3	4548.7	11.9	12.2	16.3	41.3	284.5	2741.7	103%	82%	36%	12%	11%	60%
								50000000	12.4	15.6	45.1	360.2	2814.3	29288.0	12.2	13.6	18.4	42.4	288.3	2731.0	98%	87%	41%	12%	10%	9%
							10	1000000	11.8	20.2	100.2	553.1			11.7	12.5	23.3	101.1			99%	62%	23%	18%		
								10000000	12.2	20.5	100.9	851.1	4840.7		12.1	13.7	23.3	101.3	860.9		100%	67%	23%	12%	18%	
								50000000	12.6	21.6	99.6	831.3	8347.5	30443.4	12.5	14.3	23.8	103.4	857.7	7395.7	100%	66%	24%	12%	10%	24%
						100	1	1000000	12.2	22.1	110.3	603.3			12.1	15.8	27.9	145.3			99%	71%	25%	24%		
								10000000	12.5	24.6	108.6	920.4	5277.4		12.8	15.5	32.1	144.5	1321.6		102%	63%	30%	16%	25%	
								50000000	14.3	24.6	111.1	983.7	9063.8	35078.5	14.3	17.3	28.4	146.3	1320.1	15962.0	100%	70%	26%	15%	15%	46%
							10	1000000	12.8	28.5	184.1				13.1	22.8	97.9				103%	80%	53%			
								10000000	14.0	28.0	161.6	1579.9			13.4	24.2	92.4	803.1			95%	86%	57%	51%		
								50000000	14.1	31.6	165.6	1735.0	14213.6		14.1	24.0	92.4	820.4	6772.1		100%	76%	56%	47%	48%	
					random	5	1	1000000	12.6	18.0	89.3	742.5	447.7	613.9	11.8	12.5	22.0	95.0	582.6	995.5	93%	69%	25%	13%	130%	162%
								10000000	12.2	17.5	96.7	791.5	7044.6	3701.5	11.9	12.6	25.1	98.8	807.0	4639.5	97%	72%	26%	12%	11%	125%
								50000000	13.1	20.4	90.2	782.7	7584.7	35888.6	13.1	14.2	24.7	107.3	842.4	6520.9	100%	70%	27%	14%	11%	18%
							10	1000000	12.2	18.1	87.2	750.2	447.5		11.7	12.5	22.2	102.5	570.6		96%	69%	25%	14%	127%	
								10000000	12.5	17.7	93.6	789.4	6838.9	3742.0	11.7	12.6	23.2	98.8	800.8	4717.6	94%	71%	25%	13%	12%	126%
								50000000	13.0	18.7	94.1	792.1	7637.3	36242.3	12.8	14.8	24.1	100.3	886.7	6736.4	98%	79%	26%	13%	12%	19%
						10	1	1000000	12.6	25.2	174.6	853.3	421.2		11.8	13.1	31.6	198.9	741.3		94%	52%	18%	23%	176%	
								10000000	13.0	26.3	163.9	1578.8	7408.4	3733.9	12.4	14.1	30.9	180.5	1525.3	6197.7	95%	53%	19%	11%	21%	166%
								50000000	13.3	25.8	168.7	1571.1	15485.4	26735.2	13.5	16.8	36.0	182.7	1649.8	12699.3	101%	65%	21%	12%	11%	48%
							10	1000000	13.1	29.0	174.4	894.3			12.5	15.5	32.7	183.1			95%	53%	19%	20%		
								10000000	13.3	27.1	166.1	1632.1	7456.2		12.7	15.3	30.8	179.2	1523.8		96%	56%	19%	11%	20%	
								50000000	13.9	29.6	166.1	1566.1	15227.4	26307.6	13.9	16.1	34.5	180.2	1660.9	13583.6	100%	55%	21%	12%	11%	52%
						100	1	1000000	28.2	172.1	792.5	433.8			15.5	33.3	175.2	762.7			55%	19%	22%	176%		
								10000000	26.9	168.3	1575.4	7411.0	3704.8		14.1	31.1	180.2	1522.1	6315.8		53%	18%	11%	21%	170%	
								50000000	28.6	169.6	1575.2	15317.1	26453.1	23922.7	16.7	33.7	182.6	1634.8	13131.0	38156.6	59%	20%	12%	11%	50%	159%
							10	1000000	27.3	176.2	845.2				14.7	32.6	186.7				54%	18%	22%			
								10000000	28.3	169.7	1621.1	7447.4			14.3	32.5	178.6	1517.2			50%	19%	11%	20%		
								50000000	33.3	168.1	1555.5	15305.7	26456.6		17.8	34.2	178.9	1675.7	12910.3		54%	20%	12%	11%	49%	
					sequential	5	1	1000000	11.4	11.4	13.6	17.6	63.2	380.7	11.4	11.9	14.7	20.0	75.4	596.0	99%	105%	108%	114%	119%	157%
								10000000	11.2	11.8	13.4	21.1	52.2	394.8	12.3	12.0	13.5	19.8	71.3	587.9	109%	102%	101%	94%	137%	149%
								50000000	11.8	12.2	14.9	19.2	52.3	389.3	12.2	12.5	14.8	21.6	70.9	584.5	103%	103%	99%	113%	136%	150%
							10	1000000	11.5	12.3	15.7	22.0	65.0		12.0	11.8	13.7	21.1	75.5		104%	96%	87%	96%	116%	
								10000000	11.7	13.3	16.3	25.7	59.1	398.2	12.3	13.4	14.0	22.4	72.6	583.8	105%	101%	86%	87%	123%	147%
								50000000	12.6	12.7	17.5	23.3	59.3	406.0	12.6	12.1	15.2	19.5	74.5	581.1	100%	95%	87%	84%	126%	143%
						10	1	1000000	11.5	11.8	15.7	23.5	90.3		11.4	11.8	14.9	25.3	132.4		100%	100%	95%	108%	147%	
								10000000	11.7	12.5	14.6	23.9	89.8	758.2	11.9	11.6	16.2	26.5	126.7	1146.9	102%	93%	111%	111%	141%	151%
								50000000	12.0	12.8	14.7	23.8	89.3	755.2	12.0	13.8	15.0	27.6	127.3	1148.7	100%	108%	102%	116%	143%	152%
							10	1000000	12.1	12.5	19.3	32.9			12.9	12.3	15.7	27.3			106%	99%	81%	83%		
								10000000	12.5	12.8	18.8	33.3	107.8		12.1	12.4	15.1	27.1	132.8		97%	97%	80%	81%	123%	
								50000000	12.5	12.8	18.6	32.2	108.5	784.4	12.5	13.0	15.4	30.6	133.5	1164.3	100%	102%	83%	95%	123%	148%
						100	1	1000000	12.6	14.9	24.3	89.7			12.5	14.7	25.0	130.7			100%	99%	103%	146%		
								10000000	12.5	15.2	22.5	92.2	760.9		12.2	15.7	25.2	134.8	1175.5		98%	104%	112%	146%	154%	
								50000000	13.1	15.3	22.2	90.8	761.3	9885.7	12.9	17.3	25.6	126.8	1144.5	11181.0	99%	113%	115%	140%	150%	113%
							10	1000000	13.3	19.8	69.3				13.4	17.1	28.6				100%	86%	41%			
								10000000	14.2	19.0	68.3	235.9			13.6	17.3	32.1	154.1			96%	91%	47%	65%		
								50000000	14.1	21.1	67.1	222.2	982.5		14.3	19.6	28.4	153.9	1249.3		102%	93%	42%	69%	127%	
				xeon	cycle	5	1	1000000	13.0	15.8	28.7	139.3	392.9	574.6	14.1	14.8	14.9	30.3	162.7	697.0	109%	94%	52%	22%	41%	121%
								10000000	14.3	16.0	28.1	156.9	1197.3	3754.2	14.2	14.8	15.3	31.5	183.2	1548.8	99%	92%	55%	20%	15%	41%
								100000000	13.4	16.6	30.0	160.1	1444.3	11706.9	13.5	14.3	17.2	34.8	164.6	1785.9	101%	86%	57%	22%	11%	15%

						v1						v2						ratio					
				10	1000000	14.2	17.5	45.9	256.1	396.9		13.7	15.2	17.7	51.1	308.3		97%	87%	38%	20%	78%	
					10000000	14.7	17.2	49.6	342.3	2219.5	3572.0	13.2	14.2	18.3	53.2	371.9	2851.4	90%	83%	37%	16%	17%	80%
					100000000	13.6	17.0	48.8	348.9	3243.9	21360.6	14.8	15.0	20.0	51.3	325.2	3417.1	109%	88%	41%	15%	10%	16%
			10	1	1000000	14.2	16.5	32.9	164.8	403.2		14.9	15.0	16.2	36.0	206.0		105%	91%	49%	22%	51%	
					10000000	13.7	15.1	32.2	202.5	1394.3	3883.4	13.1	13.7	16.4	35.7	233.8	2004.9	96%	91%	51%	18%	17%	52%
					100000000	14.0	16.6	34.7	202.7	1867.6	13610.7	14.0	14.8	17.3	38.5	213.2	2189.7	100%	89%	50%	19%	11%	16%
				10	1000000	15.3	18.5	50.3	272.5			14.4	14.2	20.8	82.8			94%	77%	41%	30%		
					10000000	14.1	17.9	53.8	372.1	2409.7		13.6	15.0	21.9	80.9	649.8		96%	84%	41%	22%	27%	
					100000000	14.6	19.1	51.7	386.1	3542.5	23141.1	15.2	15.3	23.1	82.6	627.8	6272.6	104%	80%	45%	21%	18%	27%
			100	1	1000000	14.1	19.9	65.7	383.7			14.2	15.3	26.2	118.9			101%	77%	40%	31%		
					10000000	14.2	19.8	65.2	507.5	3594.5		14.5	15.3	26.2	119.8	1082.6		102%	77%	40%	24%	30%	
					100000000	15.0	19.1	66.8	514.8	5003.0	36161.0	14.7	14.9	29.4	125.6	1155.1	12960.0	98%	78%	44%	24%	23%	36%
				10	1000000	14.9	25.4	132.6				15.3	22.7	84.2				102%	89%	64%			
					10000000	14.3	27.1	127.7	1161.2			15.1	21.7	89.5	724.0			106%	80%	70%	62%		
					100000000	15.0	26.4	132.2	1140.2	10708.6		14.2	21.9	84.9	747.2	6714.8		95%	83%	64%	66%	63%	
		random	5	1	1000000	13.5	19.3	70.1	401.4	349.3	581.7	13.6	15.2	21.0	79.4	336.0	688.0	100%	79%	30%	20%	96%	118%
					10000000	13.1	19.9	68.3	572.8	3480.5	3037.7	14.9	15.1	21.0	76.1	603.2	3059.8	114%	76%	31%	13%	17%	101%
					100000000	13.9	22.3	72.6	566.1	5488.6	33081.3	13.2	17.2	22.2	74.0	592.7	5764.9	95%	77%	31%	13%	11%	17%
				10	1000000	13.5	19.5	70.2	410.5	345.6		13.7	14.7	21.4	80.3	335.7		102%	76%	31%	20%	97%	
					10000000	14.0	20.0	69.7	563.6	3452.2	3204.1	13.1	14.4	20.5	76.2	606.6	3031.5	94%	72%	29%	14%	18%	95%
					100000000	15.3	20.6	68.1	565.2	5497.0	33243.1	14.8	16.7	23.8	79.5	585.8	5659.9	97%	81%	35%	14%	11%	17%
			10	1	1000000	14.9	23.0	121.0	552.9	370.1		14.5	15.7	28.9	119.1	459.7		97%	68%	24%	22%	124%	
					10000000	14.3	24.6	124.4	1085.4	4871.6	3220.3	13.7	14.9	30.3	139.9	1038.0	4268.6	96%	60%	24%	13%	21%	133%
					100000000	15.9	27.1	129.8	1103.8	10795.8	46330.6	14.7	17.1	30.8	127.3	1290.3	10182.6	93%	63%	24%	12%	12%	22%
				10	1000000	13.3	25.5	123.1	546.1			13.9	15.9	29.4	117.8			105%	62%	24%	22%		
					10000000	15.7	25.8	125.7	1090.6	4854.9		13.9	16.1	28.8	142.5	1031.0		88%	62%	23%	13%	21%	
					100000000	16.2	26.4	128.0	1117.1	10750.6	46410.6	14.6	17.3	28.8	127.0	1279.1	10335.5	90%	66%	22%	11%	12%	22%
			100	1	1000000	24.1	124.0	550.6	379.1			16.3	28.2	120.3	522.4			68%	23%	22%	138%		
					10000000	24.8	125.4	1108.3	4944.9	3196.1		15.1	27.1	145.1	1038.9	4425.9		61%	22%	13%	21%	138%	
					100000000	29.2	125.2	1093.6	10801.1	46470.1	36826.1	17.1	29.2	123.6	1246.4	10172.4	47142.6	58%	23%	11%	12%	22%	128%
				10	1000000	25.7	122.4	546.8				15.7	27.8	117.8				61%	23%	22%			
					10000000	23.3	125.9	1097.8	4982.0			16.3	28.2	147.8	1061.7			70%	22%	13%	21%		
					100000000	26.4	125.9	1105.5	10834.4	46498.9		18.0	28.9	127.9	1290.5	10393.9		68%	23%	12%	12%	22%	
		sequential	5	1	1000000	13.2	13.8	15.3	19.1	58.3	432.0	13.3	13.1	14.5	18.8	62.6	462.7	101%	95%	95%	98%	107%	107%
					10000000	13.6	13.6	15.0	21.5	56.1	403.9	13.4	13.4	14.1	19.9	61.8	475.9	99%	99%	94%	93%	110%	118%
					100000000	14.9	14.9	13.8	19.4	59.2	456.5	14.9	14.2	12.9	20.2	65.3	504.8	100%	95%	94%	104%	110%	111%
				10	1000000	13.2	14.4	16.8	22.1	63.3		13.4	13.7	15.0	20.0	64.2		102%	95%	90%	90%	101%	
					10000000	14.2	14.2	16.6	23.1	63.0	420.0	14.8	14.3	13.8	20.0	66.7	481.6	105%	100%	83%	86%	106%	115%
					100000000	15.6	15.1	16.6	23.0	62.8	537.1	15.5	13.3	15.4	22.2	67.5	599.6	99%	88%	93%	96%	107%	112%
			10	1	1000000	13.8	13.2	14.6	24.3	93.5		13.0	14.5	15.1	24.7	106.3		94%	109%	103%	102%	114%	
					10000000	15.5	14.4	15.3	24.2	104.3	860.2	14.2	13.3	14.8	25.8	107.8	977.8	92%	92%	97%	107%	103%	114%
					100000000	15.5	14.0	16.5	24.6	95.5	836.0	14.2	14.1	16.1	26.1	106.6	1194.4	92%	101%	98%	106%	112%	143%
				10	1000000	13.2	15.5	19.2	32.1			13.0	14.9	15.8	27.8			98%	96%	82%	86%		
					10000000	14.1	14.0	18.7	32.0	109.3		14.5	14.0	15.7	27.4	119.4		103%	100%	84%	86%	109%	
					100000000	14.3	15.3	20.0	32.7	109.7	1075.7	14.4	14.5	16.9	27.8	114.7	1222.0	101%	95%	84%	85%	105%	114%
			100	1	1000000	13.0	16.6	23.3	96.5			13.6	16.4	25.7	109.2			105%	99%	110%	113%		
					10000000	14.5	14.6	24.8	93.7	905.5		14.0	14.3	25.2	107.9	957.6		96%	98%	102%	115%	106%	
					100000000	14.8	15.5	26.0	95.5	936.1	10032.5	14.7	14.5	26.9	106.5	921.4	11241.6	99%	93%	103%	111%	98%	112%
				10	1000000	16.0	20.0	55.2				14.4	16.4	27.3				90%	82%	50%			
					10000000	15.3	18.5	55.5	189.7			13.6	16.3	27.9	136.7			89%	88%	50%	72%		
					100000000	16.5	19.9	54.1	187.4	1135.1		14.5	16.4	26.4	137.7	1228.6		88%	83%	49%	73%	108%	
patched	i5	cycle	5	1	1000000	11.9	13.3	38.0	224.7	497.9	576.6	12.0	12.0	15.9	35.3	243.0	967.7	101%	90%	42%	16%	49%	168%
					10000000	11.8	14.1	36.2	247.3	2027.5	4646.2	11.4	12.7	15.9	36.3	227.8	2137.8	97%	90%	44%	15%	11%	46%
					50000000	12.1	15.1	35.7	264.2	2069.3	21254.2	12.2	13.5	17.0	38.0	228.7	2166.9	101%	89%	48%	14%	11%	10%
				10	1000000	11.8	16.6	74.8	469.2	408.3		11.7	12.4	19.4	64.4	495.9		99%	75%	26%	14%	121%	
					10000000	12.3	17.1	60.8	591.1	4441.1	3655.6	12.2	12.3	18.9	62.6	491.3	4289.0	99%	72%	31%	11%	11%	117%
					50000000	12.1	18.5	65.1	657.0	4557.2	31100.7	12.4	13.4	20.5	65.8	491.3	4456.2	102%	72%	31%	10%	11%	14%
			10	1	1000000	11.9	14.5	48.6	286.8	525.6		11.8	12.1	16.7	40.7	292.4		99%	84%	34%	14%	56%	
					10000000	12.3	14.7	43.9	335.7	2649.1	4551.2	12.2	12.6	17.0	41.0	288.7	2753.0	99%	86%	39%	12%	11%	60%

				50000000	12.4	15.9	43.9	368.8	2832.8	29338.9	12.4	13.8	18.3	42.7	289.5	2754.2	100%	86%	42%	12%	10%	9%
			10	1000000	12.7	20.8	101.3	535.0			12.1	13.8	24.6	101.8			95%	66%	24%	19%		
				10000000	12.8	21.1	98.6	865.3	4812.8		12.0	14.0	23.1	101.4	867.0		94%	66%	23%	12%	18%	
				50000000	12.9	21.8	99.5	833.5	8379.5	30089.6	13.1	14.6	24.7	102.7	876.6	7350.6	102%	67%	25%	12%	10%	24%
		100	1	1000000	12.7	22.6	104.5	582.1			12.2	15.5	29.0	144.5			96%	69%	28%	25%		
				10000000	13.0	23.1	107.6	910.2	5280.3		14.0	17.7	29.3	145.6	1311.0		108%	77%	27%	16%	25%	
				50000000	13.7	24.2	107.8	883.2	9102.8	35149.7	13.0	16.2	28.3	145.7	1337.3	13071.0	95%	67%	26%	16%	15%	37%
			10	1000000	13.2	28.8	169.3				13.0	24.1	95.9				99%	84%	57%			
				10000000	14.0	31.0	163.6	1558.0			15.3	23.0	93.6	797.4			109%	74%	57%	51%		
				50000000	14.2	31.3	164.1	1746.6	14210.8		16.3	24.3	94.6	809.9	7014.4		115%	78%	58%	46%	49%	
	random	5	1	1000000	12.6	18.4	94.6	740.8	410.3	594.2	12.6	13.6	22.8	94.9	548.0	970.1	100%	74%	24%	13%	134%	163%
				10000000	13.1	17.6	90.8	812.2	6825.7	3748.7	12.8	13.6	23.0	98.6	815.5	4738.3	98%	78%	25%	12%	12%	126%
				50000000	12.6	20.4	92.6	788.9	7687.8	36643.4	12.8	14.9	24.3	98.0	829.3	6551.5	101%	73%	26%	12%	11%	18%
			10	1000000	13.0	18.8	93.6	738.2	438.2		12.3	12.9	21.8	97.0	552.6		95%	69%	23%	13%	126%	
				10000000	12.4	19.2	87.1	777.9	6847.6	3741.9	12.7	13.2	22.8	98.0	822.7	4672.3	102%	69%	26%	13%	12%	125%
				50000000	13.4	21.7	91.9	791.7	7680.5	38229.7	12.8	14.8	23.9	101.7	831.9	6697.9	96%	69%	26%	13%	11%	18%
		10	1	1000000	13.5	27.6	171.2	807.3	422.4		12.3	15.3	31.4	168.1	719.3		91%	55%	18%	21%	170%	
				10000000	14.3	25.4	161.5	1572.5	7527.4	3630.0	12.3	14.2	31.2	184.7	1514.2	6213.7	86%	56%	19%	12%	20%	171%
				50000000	13.9	28.7	169.9	1572.2	15276.9	26843.1	13.3	17.6	35.1	186.8	1645.7	12831.5	96%	61%	21%	12%	11%	48%
			10	1000000	13.2	28.4	172.6	805.1			12.7	13.8	32.8	168.1			96%	49%	19%	21%		
				10000000	13.6	27.2	164.0	1582.5	7460.1		12.9	15.1	31.7	179.7	1523.8		95%	56%	19%	11%	20%	
				50000000	14.3	30.4	173.5	1583.5	15345.3	26629.7	13.3	16.0	33.6	187.5	1631.7	13446.1	93%	53%	19%	12%	11%	50%
		100	1	1000000	28.4	168.0	790.1	408.4			15.2	32.5	167.6	708.6			53%	19%	21%	173%		
				10000000	26.2	172.1	1623.8	7451.1	3617.7		14.7	33.5	189.5	1573.4	6235.1		56%	19%	12%	21%	172%	
				50000000	28.9	169.7	1600.3	15171.3	26447.6	24012.1	16.7	32.7	184.0	1626.8	12878.4	38166.1	58%	19%	11%	11%	49%	159%
			10	1000000	27.6	177.7	784.7				14.7	32.0	170.7				53%	18%	22%			
				10000000	28.2	171.3	1593.1	7519.8			14.8	33.2	178.0	1543.9			53%	19%	11%	21%		
				50000000	27.7	178.3	1586.8	15471.7	26522.7		17.0	35.5	185.6	1668.2	13203.0		61%	20%	12%	11%	50%	
	sequential	5	1	1000000	11.8	12.5	14.4	22.8	53.6	377.9	11.9	12.0	15.0	19.6	83.6	576.8	100%	96%	104%	86%	156%	153%
				10000000	11.2	12.4	14.0	21.4	52.8	386.6	11.7	12.2	13.8	18.9	71.8	572.4	104%	98%	98%	88%	136%	148%
				50000000	12.0	11.9	15.2	20.4	52.0	387.4	12.3	12.7	14.2	19.9	70.3	582.7	102%	107%	94%	97%	135%	150%
			10	1000000	12.4	13.2	16.6	22.4	63.2		12.5	12.2	16.3	20.3	73.0		101%	93%	98%	91%	116%	
				10000000	12.0	13.3	16.4	25.1	59.3	397.5	12.2	11.7	13.9	21.7	72.5	586.3	102%	88%	85%	87%	122%	148%
				50000000	12.3	13.4	16.8	22.7	60.2	408.7	12.3	13.0	15.8	23.1	77.3	581.8	100%	97%	94%	101%	128%	142%
		10	1	1000000	12.1	12.3	15.7	23.1	93.0		12.5	11.9	15.6	28.4	137.7		103%	96%	99%	123%	148%	
				10000000	11.8	12.7	15.5	24.4	89.8	756.9	11.6	12.0	14.6	25.0	126.9	1139.1	99%	95%	94%	103%	141%	150%
				50000000	11.8	13.1	15.0	22.4	90.8	767.6	12.4	12.5	14.3	24.9	126.6	1152.4	105%	95%	96%	111%	139%	150%
			10	1000000	12.7	13.4	19.1	32.4			12.3	12.8	15.8	28.5			96%	95%	83%	88%		
				10000000	12.7	13.5	21.1	35.0	106.8		11.8	12.6	15.3	26.8	134.5		93%	93%	72%	76%	126%	
				50000000	13.0	13.8	19.6	32.1	108.8	802.7	12.8	13.1	15.1	30.1	132.7	1153.7	99%	95%	77%	94%	122%	144%
		100	1	1000000	13.2	16.7	22.7	89.9			12.3	15.0	26.4	128.4			93%	90%	117%	143%		
				10000000	12.8	17.1	22.9	92.9	761.2		12.7	15.1	25.1	127.0	1157.0		99%	88%	109%	137%	152%	
				50000000	13.0	15.1	24.6	89.5	764.6	9879.7	14.0	17.4	25.1	127.0	1141.6	13918.2	108%	115%	102%	142%	149%	141%
			10	1000000	13.7	21.0	67.9				13.5	17.5	28.9				98%	84%	43%			
				10000000	13.9	19.5	69.2	218.9			15.1	18.0	27.6	150.9			109%	92%	40%	69%		
				50000000	14.2	21.1	67.1	218.0	976.4		14.3	18.4	27.3	158.6	1237.6		101%	87%	41%	73%	127%	
xeon	cycle	5	1	1000000	13.5	15.6	27.2	138.6	391.9	568.0	13.9	13.3	15.7	30.8	162.8	681.8	103%	85%	58%	22%	42%	120%
				10000000	13.6	14.8	28.9	159.2	1180.4	3827.6	14.1	14.2	16.4	31.0	180.6	1558.0	103%	96%	57%	19%	15%	41%
				100000000	12.9	15.3	30.6	160.1	1443.0	11816.9	13.9	14.6	18.4	33.1	167.4	1769.9	108%	95%	60%	21%	12%	15%
			10	1000000	14.2	17.2	45.7	256.2	390.4		13.5	14.4	17.6	49.2	308.7		95%	84%	38%	19%	79%	
				10000000	13.8	17.6	49.3	344.3	2225.9	3549.1	13.6	14.3	19.1	48.1	373.5	2843.2	98%	81%	39%	14%	17%	80%
				100000000	15.0	18.3	49.4	350.4	3259.5	21386.4	13.1	15.5	20.5	50.9	322.0	3412.5	87%	85%	42%	15%	10%	16%
		10	1	1000000	14.1	15.7	33.3	164.5	403.5		13.6	14.3	15.9	36.4	203.4		96%	91%	48%	22%	50%	
				10000000	13.7	15.1	33.5	203.4	1380.4	4022.2	13.4	13.5	17.4	38.2	230.6	1991.7	98%	89%	52%	19%	17%	50%
				100000000	14.2	15.9	35.6	201.9	1868.8	13642.9	13.9	14.7	19.1	36.7	218.4	2363.4	98%	92%	54%	18%	12%	17%
			10	1000000	13.8	18.1	49.9	274.7			13.6	14.9	21.0	80.5			98%	82%	42%	29%		
				10000000	13.7	17.3	54.3	376.1	2420.5		13.2	15.0	22.0	81.8	647.7		96%	87%	41%	22%	27%	
				100000000	15.5	16.8	49.5	385.6	3529.1	22989.8	13.7	15.0	21.6	80.5	640.2	6179.7	88%	89%	44%	21%	18%	27%
		100	1	1000000	14.6	19.3	66.2	386.5			14.7	15.6	25.4	122.9			101%	81%	38%	32%		

scan	branch	ver	pattern	n1	n2	rows	g1a	g1b	g1c	g1d	g1e	g1f	g2a	g2b	g2c	g2d	g2e	g2f	p1	p2	p3	p4	p5	p6
						10000000	14.2	19.0	66.0	508.1	3650.7		13.8	15.3	27.0	125.8	1157.1		97%	81%	41%	25%	32%	
						100000000	14.5	19.9	64.6	512.6	5090.4	36179.3	14.5	16.0	28.5	125.1	1097.1	13023.8	100%	80%	44%	24%	22%	36%
				10		1000000	16.1	26.4	132.0				15.3	22.9	86.1				95%	87%	65%			
						10000000	15.0	25.7	127.6	1158.5			14.9	21.9	89.0	719.7			99%	85%	70%	62%		
						100000000	15.5	27.7	129.8	1139.9	10633.0		15.8	22.9	86.3	751.3	6725.9		102%	83%	66%	66%	63%	
			random	5	1	1000000	14.0	19.1	68.0	406.7	359.2	636.8	14.1	13.3	20.4	74.9	339.0	696.8	101%	70%	30%	18%	94%	109%
						10000000	14.1	18.8	71.0	565.5	3454.4	3053.9	13.2	14.1	21.0	74.9	605.9	3041.0	93%	75%	30%	13%	18%	100%
						100000000	14.5	19.0	71.1	568.1	5502.8	33294.9	14.8	15.5	22.4	71.1	582.2	5715.2	102%	82%	31%	13%	11%	17%
				10		1000000	14.4	19.7	68.4	414.9	334.2		13.9	14.0	21.5	75.6	339.4		97%	71%	31%	18%	102%	
						10000000	14.5	19.7	68.4	563.7	3447.3	3006.2	13.6	14.3	20.6	80.0	605.2	3089.2	93%	73%	30%	14%	18%	103%
						100000000	14.2	21.3	73.0	569.8	5508.8	33157.1	14.2	15.9	22.3	72.4	589.7	5733.9	100%	75%	31%	13%	11%	17%
				10	1	1000000	14.3	22.9	126.2	550.8	375.9		13.9	16.0	28.6	119.0	457.9		97%	70%	23%	22%	122%	
						10000000	14.0	24.8	125.5	1096.9	4831.6	3276.0	14.0	14.6	28.2	140.7	1033.3	4287.4	100%	59%	23%	13%	21%	131%
						100000000	14.8	26.2	125.7	1104.0	10808.8	46209.9	14.4	17.0	29.5	123.0	1295.7	10186.6	97%	65%	23%	11%	12%	22%
				10		1000000	14.2	26.4	124.9	565.4			13.6	15.0	28.5	119.6			96%	57%	23%	21%		
						10000000	14.6	24.5	125.3	1098.0	4877.0		14.0	15.6	26.2	142.7	1040.8		95%	64%	21%	13%	21%	
						100000000	15.3	27.8	129.1	1112.3	10792.9	46390.3	15.5	17.4	30.1	127.7	1268.6	10334.7	101%	63%	23%	11%	12%	22%
				100	1	1000000	25.6	122.4	539.8	378.2			15.2	27.5	119.7	544.2			59%	23%	22%	144%		
						10000000	24.4	123.6	1091.6	4917.1	3217.0		14.2	29.6	139.3	1036.6	4374.6		58%	24%	13%	21%	136%	
						100000000	27.7	127.4	1103.7	10794.5	46561.9	36777.5	17.6	27.8	126.5	1267.9	10328.6	46698.4	64%	22%	11%	12%	22%	127%
				10		1000000	26.2	121.8	546.6				14.8	27.6	114.6				57%	23%	21%			
						10000000	24.3	123.8	1102.5	4976.9			15.2	25.9	136.6	1064.2			62%	21%	12%	21%		
						100000000	27.8	124.3	1108.3	10830.5	46603.1		17.0	27.1	122.8	1272.3	10364.4		61%	22%	11%	12%	22%	
			sequential	5	1	1000000	12.9	14.3	15.3	19.6	54.7	407.0	12.7	14.2	14.7	20.4	61.7	470.2	98%	99%	96%	104%	113%	116%
						10000000	13.2	13.6	15.3	18.8	56.1	445.7	13.4	14.3	14.4	19.2	61.4	468.5	102%	105%	94%	102%	109%	105%
						100000000	13.3	14.5	15.0	18.6	56.2	411.0	13.1	14.4	14.7	18.8	61.9	507.5	98%	100%	98%	101%	110%	123%
				10		1000000	13.8	15.2	15.6	23.7	61.8		14.3	14.1	14.1	20.7	63.6		104%	93%	90%	87%	103%	
						10000000	14.6	13.8	16.9	20.9	62.0	420.9	14.2	14.0	15.2	19.3	65.3	486.5	97%	102%	90%	92%	105%	116%
						100000000	13.6	13.9	16.5	22.8	62.2	559.2	14.7	14.2	15.1	19.3	66.8	546.1	108%	102%	91%	85%	107%	98%
				10	1	1000000	13.3	13.9	15.0	24.0	93.7		14.0	14.1	15.4	26.3	105.9		105%	102%	103%	110%	113%	
						10000000	14.4	13.2	15.7	24.8	95.2	899.2	13.5	12.8	15.8	24.4	109.2	931.2	94%	97%	101%	98%	115%	104%
						100000000	14.5	15.3	16.0	23.8	94.4	869.4	12.9	14.1	15.0	24.1	107.1	1169.2	89%	92%	94%	102%	113%	134%
				10		1000000	14.6	15.7	19.5	32.3			14.4	14.7	15.8	28.0			99%	94%	81%	87%		
						10000000	13.9	14.8	19.3	30.7	110.7		13.8	14.2	15.8	27.3	116.7		99%	96%	82%	89%	105%	
						100000000	13.5	15.7	18.4	31.1	109.5	834.1	13.6	14.4	15.8	26.7	114.4	1216.9	100%	92%	86%	86%	105%	146%
				100	1	1000000	14.4	16.3	24.7	94.7			14.0	16.0	24.7	107.2			97%	98%	100%	113%		
						10000000	15.1	15.7	24.1	96.0	974.7		15.1	14.8	25.3	109.0	927.0		100%	94%	105%	114%	95%	
						100000000	13.4	15.0	24.5	95.4	898.1	10216.1	13.3	14.5	24.7	107.8	1074.8	11398.2	99%	97%	101%	113%	120%	112%
				10		1000000	15.3	18.5	55.7				14.6	16.3	26.6				96%	88%	48%			
						10000000	15.4	19.4	57.5	188.7			15.8	17.1	27.6	137.9			103%	88%	48%	73%		
						100000000	14.8	19.6	53.0	188.2	1001.8		15.1	15.6	26.2	137.9	1005.1		102%	79%	49%	73%	100%	
indexscan	master	i5	cycle	5	1	1000000	11.0	12.5	29.8	200.6	1864.4	710.5	10.9	12.8	29.6	199.4	1861.4	654.6	99%	103%	100%	99%	100%	92%
						10000000	12.1	13.5	31.1	199.7	1849.2	18338.8	11.3	13.2	31.5	198.2	1824.2	18576.9	93%	98%	101%	99%	99%	101%
						50000000	12.4	14.7	33.1	200.7	1843.4	18435.5	11.9	14.2	35.2	198.3	1858.7	18383.5	96%	97%	106%	99%	101%	100%
				10		1000000	11.4	15.8	62.4	507.1	4265.6		11.5	15.8	61.6	504.5	4294.8		101%	100%	99%	99%	101%	
						10000000	11.8	15.9	61.5	504.6	4774.2	40690.6	11.7	15.9	63.6	502.6	4855.5	41045.4	99%	100%	103%	100%	102%	101%
						50000000	12.7	17.3	60.0	495.0	4804.1	46160.9	12.2	17.4	64.4	499.1	4789.6	46490.0	96%	101%	107%	101%	100%	101%
				10	1	1000000	11.3	12.9	34.5	237.5	2281.9		11.4	13.2	36.5	233.0	2254.2		101%	102%	106%	98%	99%	
						10000000	11.4	14.8	34.6	234.5	2220.9	22229.4	11.4	14.2	36.4	232.1	2206.2	22200.8	100%	96%	105%	99%	99%	100%
						50000000	12.2	16.5	38.7	234.8	2255.7	21920.5	12.0	18.7	38.7	240.6	2247.1	22108.5	98%	114%	100%	102%	100%	101%
				10		1000000	11.6	17.0	72.4	606.0			11.6	16.8	72.2	605.4			100%	99%	100%	100%		
						10000000	12.0	17.0	71.4	581.2	5742.8		12.2	17.2	71.5	583.2	5649.0		101%	101%	100%	100%	98%	
						50000000	12.8	19.3	72.9	593.7	5698.9	54716.7	12.8	20.6	75.0	598.2	5711.3	55314.3	101%	107%	103%	101%	100%	101%
				100	1	1000000	12.1	19.5	81.6	708.0			11.7	19.5	84.5	689.0			97%	100%	104%	97%		
						10000000	12.9	21.5	79.6	681.0	7072.9		13.2	19.9	80.9	694.7	6909.0		103%	92%	102%	102%	98%	
						50000000	13.2	21.5	83.0	729.9	6955.5	69183.1	13.8	22.8	81.5	686.0	6905.9	69292.0	105%	106%	98%	94%	99%	100%
				10		1000000	13.1	24.8	159.8				13.0	25.2	158.5				99%	102%	99%			
						10000000	12.8	26.0	156.6	1704.4			12.9	25.0	158.3	1725.8			100%	96%	101%	101%		
						50000000	14.9	25.2	154.8	1730.9	23455.7		14.1	25.5	157.0	1711.1	23525.1		95%	101%	101%	99%	100%	

random	5	1	1000000	11.9	18.4	89.9	787.2	1132.3	724.9	12.1	19.3	87.4	764.0	1147.6	687.5	102%	105%	97%	97%	101%	95%
			10000000	12.0	18.8	92.0	770.9	7421.9	10431.6	11.9	18.4	86.8	773.6	7213.7	10465.1	99%	98%	94%	100%	97%	100%
			50000000	13.9	20.0	95.0	784.7	7669.1	61585.4	12.9	19.3	88.8	813.3	7676.7	61508.8	93%	97%	93%	104%	100%	100%
		10	1000000	11.7	18.9	93.8	753.6	1218.2		12.4	18.5	87.4	749.3	1145.2		106%	98%	93%	99%	94%	
			10000000	12.1	18.4	93.1	765.1	7087.5	10466.3	11.8	18.8	91.8	784.3	7251.8	10467.9	97%	102%	99%	103%	102%	100%
			50000000	13.2	20.2	97.3	782.7	7679.4	61350.5	12.3	21.9	89.6	778.5	7950.8	61664.3	93%	108%	92%	99%	104%	101%
	10	1	1000000	12.0	25.9	165.0	1390.3	1250.2		12.6	25.4	165.9	1414.8	1217.8		105%	98%	101%	102%	97%	
			10000000	13.0	25.1	164.1	1518.2	12966.6	11796.8	12.8	25.2	163.9	1538.2	13256.3	11805.6	98%	101%	100%	101%	102%	100%
			50000000	13.7	27.1	167.7	1542.0	15226.2	113289.1	13.8	28.3	165.8	1529.2	15162.2	113872.3	101%	104%	99%	99%	100%	101%
		10	1000000	13.0	27.8	162.2	1448.0			12.5	27.1	166.3	1405.1			96%	97%	103%	97%		
			10000000	13.1	27.4	167.3	1551.0	12901.3		13.0	27.4	170.5	1530.7	12976.7		99%	100%	102%	99%	101%	
			50000000	14.4	30.3	167.2	1555.2	14734.1	113491.4	14.0	29.0	170.4	1545.2	15207.8	113313.1	97%	96%	102%	99%	103%	100%
	100	1	1000000	28.6	160.5	1409.9	3365.6			25.0	165.1	1423.0	3394.7			87%	103%	101%	101%		
			10000000	26.2	163.3	1536.6	13795.6	32708.3		26.0	173.9	1535.0	13836.9	32400.3		99%	106%	100%	100%	99%	
			50000000	31.0	171.7	1538.2	15015.2	116037.5	1096151	28.4	169.4	1543.0	15007.3	116109.9	1100083	91%	99%	100%	100%	100%	100%
		10	1000000	27.5	167.2	1434.7				25.0	169.3	1428.3				91%	101%	100%			
			10000000	28.2	171.8	1528.2	13730.9			25.9	173.8	1516.8	13817.8			92%	101%	99%	101%		
			50000000	31.0	166.1	1549.7	14962.5	115750.5		30.0	172.8	1546.4	15177.8	115632.9		97%	104%	100%	101%	100%	
sequential	5	1	1000000	11.2	11.5	16.3	21.3	54.3	387.2	10.9	11.1	13.3	18.3	64.1	385.5	98%	96%	81%	86%	118%	100%
			10000000	11.8	12.0	13.7	18.3	51.8	401.4	11.1	11.8	13.4	20.7	51.9	388.0	94%	98%	98%	113%	100%	97%
			50000000	12.1	12.0	15.6	19.0	56.4	394.4	11.9	12.0	14.5	18.7	52.4	403.3	98%	100%	93%	99%	93%	102%
		10	1000000	11.5	12.5	16.2	25.7	70.9		12.1	12.3	15.3	22.6	62.7		105%	98%	94%	88%	88%	
			10000000	11.9	12.5	16.4	21.9	60.8	399.8	11.6	12.2	15.9	25.9	60.4	402.9	98%	98%	97%	118%	99%	101%
			50000000	12.4	12.8	16.6	22.5	60.2	411.4	12.2	12.7	16.6	23.7	61.6	404.2	99%	99%	100%	106%	102%	98%
	10	1	1000000	11.4	12.2	14.4	21.7	91.4		11.6	12.0	15.1	22.0	91.2		102%	98%	105%	102%	100%	
			10000000	11.6	12.1	15.2	22.7	90.4	763.7	11.5	11.8	15.6	22.8	90.0	765.2	99%	98%	103%	100%	99%	100%
			50000000	12.1	12.9	15.0	22.2	94.0	769.1	11.9	13.8	15.2	21.3	92.3	768.3	98%	107%	101%	96%	98%	100%
		10	1000000	12.0	12.3	19.0	33.5			12.2	12.4	18.2	31.2			102%	100%	96%	93%		
			10000000	12.3	12.4	18.8	31.3	108.5		11.7	12.6	19.5	32.0	108.7		96%	102%	104%	102%	100%	
			50000000	12.5	13.4	18.3	35.8	112.2	791.0	12.5	14.0	18.2	32.6	110.7	787.9	100%	104%	99%	91%	99%	100%
	100	1	1000000	11.9	15.4	23.0	90.2			12.1	14.7	22.4	91.4			101%	96%	97%	101%		
			10000000	13.8	15.1	24.0	90.2	768.9		15.0	15.0	24.6	98.1	765.3		109%	99%	103%	110%	100%	
			50000000	13.4	17.7	23.4	91.3	766.3	9891.1	13.0	16.3	22.0	95.1	783.9	9954.0	98%	93%	94%	104%	102%	101%
		10	1000000	13.6	18.6	68.8				12.8	18.5	68.9				94%	99%	100%			
			10000000	13.0	18.4	68.9	236.6			13.3	18.5	67.6	211.1			102%	101%	98%	89%		
			50000000	14.7	20.2	66.7	211.9	969.7		15.8	20.0	67.5	231.6	989.2		108%	99%	101%	109%	102%	
xeon cycle	5	1	1000000	12.4	15.1	26.8	140.4	599.7	657.9	13.6	14.9	25.7	138.7	609.2	633.8	109%	98%	96%	99%	102%	96%
			10000000	13.8	15.3	26.4	144.9	1244.2	5658.8	14.1	15.0	27.1	143.2	1251.7	5678.2	103%	98%	103%	99%	101%	100%
			100000000	13.0	16.6	29.7	148.1	1318.5	12383.7	13.6	16.2	29.7	147.1	1321.9	12483.2	105%	98%	100%	99%	100%	101%
		10	1000000	13.3	16.0	47.3	355.9	1466.5		13.4	17.1	47.1	354.0	1632.6		101%	107%	100%	99%	111%	
			10000000	14.1	17.0	46.5	357.3	3357.1	15558.3	12.9	16.1	46.0	358.3	3347.8	15696.2	92%	95%	99%	100%	100%	101%
			100000000	13.6	17.8	49.8	359.5	3420.9	32906.3	14.2	19.0	48.5	354.6	3403.1	32777.9	105%	107%	97%	99%	99%	100%
	10	1	1000000	14.0	15.1	29.2	169.5	836.0		14.5	16.4	29.3	167.9	788.8		104%	108%	100%	99%	94%	
			10000000	12.4	14.5	29.1	174.1	1515.4	8658.5	12.7	14.7	28.7	170.6	1538.9	8547.9	103%	101%	99%	98%	102%	99%
			100000000	13.9	15.4	32.8	174.8	1621.5	15289.8	14.6	16.1	32.7	176.1	1603.9	15264.1	105%	105%	100%	101%	99%	100%
		10	1000000	15.0	18.1	55.2	425.1			14.5	17.0	52.9	426.5			96%	94%	96%	100%		
			10000000	14.1	18.6	54.3	422.8	4058.4		13.7	17.6	54.0	419.1	4050.2		97%	95%	99%	99%	100%	
			100000000	13.9	18.6	57.0	426.3	4104.1	39039.3	14.8	17.8	56.0	423.0	4102.5	39037.1	106%	96%	98%	99%	100%	100%
	100	1	1000000	14.7	17.5	62.1	505.7			14.4	17.7	64.4	507.7			98%	101%	104%	100%		
			10000000	13.7	18.6	64.0	502.9	4921.6		13.9	18.8	63.0	507.2	4937.8		102%	101%	98%	101%	100%	
			100000000	15.1	18.5	64.7	518.1	5055.8	53308.6	14.7	17.9	67.0	523.5	5073.8	53227.8	97%	97%	104%	101%	100%	100%
		10	1000000	14.6	22.2	101.0				14.5	22.5	99.7				99%	101%	99%			
			10000000	14.5	23.3	98.0	1038.1			14.5	22.8	99.5	1056.1			100%	98%	101%	102%		
			100000000	14.7	22.6	103.2	1061.7	9913.0		14.7	22.2	103.6	1045.6	10010.9		100%	98%	100%	98%	101%	
random	5	1	1000000	13.7	19.5	67.6	539.0	798.5	710.2	13.5	19.6	66.3	528.5	800.3	682.0	98%	101%	98%	98%	100%	96%
			10000000	12.9	19.9	67.5	553.7	5117.7	7348.5	14.2	19.6	67.7	555.1	5161.4	7468.2	110%	98%	100%	100%	101%	102%
			100000000	13.9	21.2	70.4	562.6	5389.4	50604.8	13.3	20.6	69.0	573.2	5410.7	50673.6	96%	97%	98%	102%	100%	100%
		10	1000000	12.9	18.3	66.8	530.1	765.5		13.3	19.2	70.7	536.9	777.7		103%	105%	106%	101%	102%	
			10000000	13.5	19.7	66.8	566.5	5166.6	7485.3	13.7	18.2	67.1	555.5	5121.3	7310.2	101%	93%	100%	98%	99%	98%

					100000000	14.2	21.2	72.2	566.7	5416.5	50475.7	14.5	21.3	70.9	561.7	5433.1	50407.0	102%	101%	98%	99%	100%	100%
			10	1	1000000	13.8	24.0	125.6	988.5	896.8		14.2	24.7	123.3	988.3	879.3		103%	103%	98%	100%	98%	
					10000000	14.6	24.6	127.5	1089.5	9737.6	9256.1	13.9	24.0	123.6	1096.5	9692.6	9167.3	95%	98%	97%	101%	100%	99%
					100000000	15.2	25.6	130.0	1106.0	10766.5	95719.0	14.5	26.4	124.8	1103.2	10769.2	95428.2	96%	103%	96%	100%	100%	100%
				10	1000000	14.1	24.4	124.9	996.3			14.6	24.7	124.6	996.6			104%	101%	100%	100%		
					10000000	14.8	24.5	122.5	1085.8	9735.6		14.1	26.6	122.4	1086.3	9725.1		95%	109%	100%	100%	100%	
					100000000	15.5	27.1	122.4	1111.1	10787.5	95742.8	16.0	27.0	125.5	1104.3	10791.3	95876.4	103%	99%	103%	99%	100%	100%
			100	1	1000000	22.9	120.4	979.9	2635.5			25.4	123.8	984.5	2612.5			111%	103%	100%	99%		
					10000000	23.5	124.3	1086.2	9856.7	26506.7		24.3	120.9	1091.0	9846.1	26597.6		103%	97%	100%	100%	100%	
					100000000	27.9	126.6	1102.1	10802.6	96467.7	269143.3	26.7	125.8	1091.4	10801.4	96415.3	269089.6	96%	99%	99%	100%	100%	100%
				10	1000000	24.7	122.0	996.8				24.4	124.5	994.6				99%	102%	100%			
					10000000	23.9	123.6	1094.9	9855.9			23.4	124.9	1090.1	9832.7			98%	101%	100%	100%		
					100000000	26.7	126.3	1103.1	10749.2	96053.6		28.8	128.5	1105.4	10793.9	96297.8		108%	102%	100%	100%	100%	
		sequential	5	1	1000000	13.1	13.6	14.8	19.1	58.8	423.3	13.4	13.0	14.6	18.7	55.6	413.0	102%	95%	99%	98%	95%	98%
					10000000	13.2	12.8	14.9	19.5	55.6	415.4	13.4	13.7	15.1	19.3	57.0	441.1	101%	107%	101%	99%	103%	106%
					100000000	13.7	14.1	14.3	19.6	56.5	468.7	14.8	14.0	13.6	20.0	57.8	491.4	108%	99%	96%	102%	102%	105%
				10	1000000	13.3	13.6	15.9	22.6	62.6		13.1	13.9	16.4	21.8	63.3		99%	102%	103%	97%	101%	
					10000000	13.4	13.6	16.3	22.7	61.2	422.6	14.7	13.9	14.8	22.2	62.7	427.2	109%	102%	90%	98%	102%	101%
					100000000	14.8	14.0	16.1	23.7	62.1	540.5	14.5	14.4	16.5	24.2	63.6	446.8	98%	103%	103%	102%	102%	83%
			10	1	1000000	14.1	13.2	14.2	23.7	96.3		12.7	14.0	14.9	25.1	101.1		90%	105%	105%	106%	105%	
					10000000	14.3	14.2	15.4	24.8	98.6	934.1	13.3	13.8	15.4	24.3	95.5	1031.7	93%	97%	100%	98%	97%	110%
					100000000	15.1	12.8	16.1	25.7	97.9	971.5	14.4	15.0	15.9	25.4	96.9	997.6	96%	117%	99%	99%	99%	103%
				10	1000000	12.7	14.6	18.5	31.4			13.1	15.1	17.6	32.8			103%	103%	95%	105%		
					10000000	13.4	14.1	18.6	31.4	108.8		14.3	14.4	17.7	31.2	108.6		107%	103%	95%	99%	100%	
					100000000	14.5	15.4	18.7	33.2	110.6	1027.2	14.1	15.4	19.5	32.1	108.4	1077.5	97%	100%	104%	97%	98%	105%
			100	1	1000000	12.9	15.5	23.7	98.2			13.1	16.4	24.2	97.5			101%	106%	102%	99%		
					10000000	14.4	14.1	24.7	93.6	944.8		14.3	14.9	25.3	98.0	902.7		99%	106%	102%	105%	96%	
					100000000	14.5	14.7	25.3	98.6	1011.6	10252.2	15.0	14.6	25.1	97.2	820.2	10041.7	103%	99%	99%	99%	81%	98%
				10	1000000	14.9	19.4	57.0				13.6	19.4	56.0				91%	100%	98%			
					10000000	15.0	18.6	56.4	191.5			13.4	17.9	53.8	195.7			90%	96%	95%	102%		
					100000000	15.8	18.9	54.3	187.5	1037.6		14.5	19.8	53.8	189.3	944.5		92%	105%	99%	101%	91%	
patched	i5	cycle	5	1	1000000	11.8	13.2	30.5	200.2	1858.5	661.9	11.4	12.2	17.2	49.3	335.4	692.5	96%	92%	56%	25%	18%	105%
					10000000	11.6	13.8	32.4	198.5	1842.5	18321.5	11.7	12.9	17.2	47.7	327.3	3195.4	100%	94%	53%	24%	18%	17%
					50000000	11.8	14.0	33.3	203.4	1870.2	18481.8	12.4	13.3	18.9	50.0	330.6	3093.1	105%	95%	57%	25%	18%	17%
				10	1000000	11.9	16.9	65.3	511.3	4236.6		11.6	13.5	20.3	66.3	507.2		98%	80%	31%	13%	12%	
					10000000	11.6	16.7	63.3	504.6	4769.4	40950.4	12.1	13.6	19.7	66.3	509.5	4382.6	104%	81%	31%	13%	11%	11%
					50000000	12.4	17.6	62.9	507.5	4799.5	46544.2	12.1	14.4	21.0	64.5	502.2	4350.6	98%	82%	33%	13%	10%	9%
			10	1	1000000	11.5	13.4	33.5	236.5	2322.6		11.5	12.8	18.8	67.2	535.6		100%	96%	56%	28%	23%	
					10000000	11.9	14.0	34.8	229.6	2236.4	22273.7	11.9	12.9	20.4	66.8	522.2	5095.8	100%	92%	59%	29%	23%	23%
					50000000	12.3	15.7	39.2	236.4	2230.8	22088.6	11.7	14.4	20.1	68.9	518.8	4927.3	95%	91%	51%	29%	23%	22%
				10	1000000	12.1	17.0	72.5	607.0			12.3	14.0	25.0	107.1			102%	82%	34%	18%		
					10000000	12.3	17.7	71.8	600.7	5711.1		12.5	15.4	26.2	105.7	901.2		102%	87%	36%	18%	16%	
					50000000	12.7	19.5	72.2	599.7	5680.9	55515.4	12.5	16.4	30.5	108.0	918.5	7617.3	99%	84%	42%	18%	16%	14%
			100	1	1000000	12.3	20.8	79.7	688.1			12.4	22.8	57.2	418.7			100%	109%	72%	61%		
					10000000	13.7	23.3	81.2	693.0	6916.9		12.9	20.9	58.6	410.4	3824.9		94%	90%	72%	59%	55%	
					50000000	13.2	21.0	80.2	688.9	6838.0	68879.7	13.2	22.3	59.0	413.4	3876.7	38084.1	100%	106%	73%	60%	57%	55%
				10	1000000	13.5	26.1	159.9				13.2	36.7	102.4				98%	141%	64%			
					10000000	13.6	25.7	153.2	1691.6			13.8	36.7	101.2	834.3			102%	143%	66%	49%		
					50000000	14.7	25.4	157.8	1736.1	23836.7		14.6	39.2	103.7	830.2	7417.3		99%	154%	66%	48%	31%	
		random	5	1	1000000	12.0	18.7	87.8	777.1	1156.6	672.8	12.1	14.0	24.8	97.2	570.3	1402.6	101%	75%	28%	13%	49%	208%
					10000000	12.9	18.8	94.3	770.6	7222.1	10504.1	12.4	13.4	22.5	98.8	797.3	4922.0	96%	71%	24%	13%	11%	47%
					50000000	12.6	19.8	91.5	772.4	7701.3	62111.4	13.0	15.3	23.7	101.2	844.3	6406.3	103%	77%	26%	13%	11%	10%
				10	1000000	12.9	19.3	89.2	772.3	1140.6		12.2	13.8	23.8	94.7	571.4		94%	71%	27%	12%	50%	
					10000000	12.6	19.1	87.6	783.8	7322.9	10493.0	12.6	13.3	22.9	97.5	799.7	4949.2	100%	70%	26%	12%	11%	47%
					50000000	13.1	20.0	93.6	780.1	7664.7	62574.0	13.1	15.2	25.9	98.9	844.9	6410.3	100%	76%	28%	13%	11%	10%
			10	1	1000000	13.1	26.1	162.9	1340.2	1241.1		13.2	16.6	33.5	164.0	807.5		101%	63%	21%	12%	65%	
					10000000	13.6	26.5	167.3	1542.1	13174.5	11770.4	13.2	16.3	31.7	177.9	1501.8	7699.4	97%	61%	19%	12%	11%	65%
					50000000	14.1	30.0	168.4	1561.7	15189.8	114337.2	13.8	18.5	33.0	183.2	1622.6	12114.6	97%	62%	20%	12%	11%	11%
				10	1000000	13.5	26.7	167.4	1409.9			13.0	15.2	33.6	168.6			97%	57%	20%	12%		

cpu	pattern			size																		
				10000000	13.3	26.1	168.5	1532.7	13062.4		13.2	15.6	31.7	181.3	1519.1		99%	60%	19%	12%	12%	
				50000000	14.6	28.1	170.9	1572.1	15061.6	114257.8	13.6	17.5	33.8	184.3	1647.3	11734.6	93%	62%	20%	12%	11%	10%
		100	1	1000000	29.5	167.2	1401.7	3528.9			24.1	42.9	170.9	845.0			82%	26%	12%	24%		
				10000000	25.5	165.1	1529.9	13889.7	32810.4		22.2	44.2	192.8	1567.0	8005.9		87%	27%	13%	11%	24%	
				50000000	28.4	166.4	1587.3	15059.0	115497.0	1102487	23.4	43.0	187.7	1626.1	11830.7	108554.7	82%	26%	12%	11%	10%	10%
			10	1000000	28.1	172.5	1421.7				23.1	44.6	170.7				82%	26%	12%			
				10000000	27.3	163.0	1564.7	13754.3			22.7	43.7	184.9	1533.8			83%	27%	12%	11%		
				50000000	28.1	175.2	1533.4	15140.7	115875.1		24.3	45.8	188.7	1647.3	11817.9		87%	26%	12%	11%	10%	
	sequential	5	1	1000000	12.1	11.9	15.9	19.7	52.2	391.4	11.6	12.0	16.4	38.3	200.3	1672.0	96%	101%	103%	195%	384%	427%
				10000000	11.6	12.3	14.9	17.8	52.3	389.2	11.6	11.9	15.8	37.0	191.5	1692.2	100%	97%	106%	208%	366%	435%
				50000000	11.8	12.3	14.3	19.8	64.3	392.0	11.7	12.0	17.0	35.1	196.6	1683.3	100%	97%	119%	177%	306%	429%
			10	1000000	12.7	12.5	17.5	25.9	73.8		11.9	12.3	16.0	45.5	224.0		94%	99%	91%	176%	304%	
				10000000	12.4	13.0	15.6	23.5	60.5	401.5	11.8	12.5	15.9	45.3	208.4	1710.1	95%	97%	102%	192%	345%	426%
				50000000	12.4	12.7	16.0	22.8	63.1	412.3	12.3	12.5	16.9	46.6	219.2	1723.2	99%	98%	105%	205%	347%	418%
		10	1	1000000	11.7	12.5	16.0	24.5	93.0		11.9	12.0	19.7	50.8	370.9		102%	96%	123%	208%	399%	
				10000000	12.2	12.1	15.5	22.4	92.4	763.8	11.7	12.3	21.5	53.7	358.4	3324.9	96%	101%	139%	239%	388%	435%
				50000000	12.5	13.4	14.9	25.8	91.5	765.3	11.9	12.9	19.7	54.4	366.5	3354.1	96%	96%	132%	211%	400%	438%
			10	1000000	11.9	13.3	18.6	35.0			12.2	13.3	20.5	75.0			103%	100%	110%	214%		
				10000000	12.3	12.7	18.7	32.0	109.4		12.3	13.8	19.6	74.2	403.4		100%	108%	105%	232%	369%	
				50000000	12.9	14.3	18.5	35.2	108.5	809.3	12.7	14.5	20.0	72.0	407.3	3393.6	98%	102%	108%	204%	375%	419%
		100	1	1000000	12.3	15.6	22.7	91.8			13.1	18.8	73.5	373.3			107%	121%	324%	407%		
				10000000	12.8	15.1	24.9	92.5	770.0		12.3	19.5	71.7	382.0	3386.8		96%	129%	288%	413%	440%	
				50000000	14.1	17.9	23.1	92.6	775.8	10056.3	13.7	18.2	72.5	372.2	3349.6	32566.7	98%	102%	314%	402%	432%	324%
			10	1000000	13.3	19.6	67.7				13.5	30.9	81.6				101%	158%	120%			
				10000000	13.3	21.3	67.7	211.9			13.5	31.6	86.6	611.4			102%	148%	128%	289%		
				50000000	15.6	19.0	66.8	215.2	969.1		13.9	31.1	83.9	633.6	3866.9		89%	164%	125%	294%	399%	
xeon	cycle	5	1	1000000	13.1	14.8	25.5	141.9	557.4	662.0	13.7	13.5	15.7	37.0	239.1	879.6	104%	91%	62%	26%	43%	133%
				10000000	13.1	14.3	26.8	144.8	1259.3	5672.2	14.0	14.4	17.6	37.9	249.7	2326.5	107%	101%	66%	26%	20%	41%
				100000000	13.0	15.4	29.9	147.8	1320.1	12349.2	13.7	14.3	19.0	39.5	230.9	2512.5	106%	93%	64%	27%	17%	20%
			10	1000000	14.6	16.2	47.4	354.1	1614.3		13.6	14.6	17.8	50.8	469.4		94%	90%	38%	14%	29%	
				10000000	13.8	16.7	47.6	358.3	3364.6	15651.5	13.2	14.9	18.3	48.8	370.6	4478.4	96%	89%	39%	14%	11%	29%
				100000000	14.4	17.3	50.0	358.0	3398.6	33032.0	13.4	15.7	21.0	51.6	336.0	3304.7	93%	90%	42%	14%	10%	10%
		10	1	1000000	13.4	14.3	30.3	169.8	894.1		13.3	13.8	17.9	51.6	378.0		100%	96%	59%	30%	42%	
				10000000	13.2	14.3	30.0	176.3	1530.5	8617.4	13.4	13.9	18.8	52.6	387.9	3830.9	101%	98%	63%	30%	25%	44%
				100000000	12.8	16.3	33.5	177.6	1610.8	15411.0	13.5	15.1	20.7	54.9	376.7	3991.4	106%	93%	62%	31%	23%	26%
			10	1000000	13.3	16.6	53.6	424.4			13.6	15.7	21.3	79.3			102%	94%	40%	19%		
				10000000	13.0	17.4	54.5	433.0	4044.0		13.4	15.8	21.8	77.9	664.6		103%	91%	40%	18%	16%	
				100000000	14.6	17.4	54.2	427.3	4084.3	39258.1	14.2	16.0	22.3	81.6	611.0	5918.9	97%	92%	41%	19%	15%	15%
		100	1	1000000	13.8	18.0	63.5	509.9			14.6	18.9	45.9	301.3			106%	105%	72%	59%		
				10000000	13.8	18.3	61.9	504.3	4935.2		14.1	18.8	45.8	303.6	2890.8		103%	103%	74%	60%	59%	
				100000000	14.4	18.7	63.2	516.3	5141.0	53485.1	14.6	20.3	48.4	303.2	2997.4	31150.9	101%	108%	77%	59%	58%	58%
			10	1000000	15.7	22.7	100.5				14.3	29.1	77.5				92%	128%	77%			
				10000000	14.3	23.7	99.4	1021.6			14.8	29.5	73.6	569.7			103%	125%	74%	56%		
				100000000	14.8	23.0	102.5	1063.9	9898.4		15.3	30.9	76.9	580.7	5028.3		103%	135%	75%	55%	51%	
	random	5	1	1000000	14.0	18.2	65.7	538.6	797.5	759.9	13.9	14.3	19.6	75.6	456.0	1092.3	99%	78%	30%	14%	57%	144%
				10000000	14.0	18.9	65.9	552.8	5141.6	7413.6	13.1	15.1	20.4	71.2	606.5	4464.5	93%	80%	31%	13%	12%	60%
				100000000	14.9	18.5	69.3	566.9	5402.0	50510.1	14.4	17.2	23.8	70.3	517.7	5458.5	96%	93%	34%	12%	10%	11%
			10	1000000	13.9	18.2	67.9	539.2	803.1		13.8	14.3	21.9	72.6	452.5		99%	78%	32%	13%	56%	
				10000000	13.7	19.4	67.3	563.2	5148.4	7387.3	13.1	14.5	20.2	76.5	604.2	4437.3	95%	75%	30%	14%	12%	60%
				100000000	14.5	21.8	70.1	573.2	5452.5	50667.5	13.2	16.7	23.0	71.3	525.5	5405.1	91%	77%	33%	12%	10%	11%
		10	1	1000000	14.0	24.1	125.6	1004.7	905.0		14.0	16.2	27.6	127.4	742.9		100%	68%	22%	13%	82%	
				10000000	13.5	23.4	125.5	1098.5	9754.8	9204.4	14.1	15.4	28.1	122.8	1148.5	7541.0	105%	66%	22%	11%	12%	82%
				100000000	16.0	26.1	125.9	1091.5	10767.8	95754.6	14.2	17.8	30.0	123.7	1036.4	10250.0	89%	68%	24%	11%	10%	11%
			10	1000000	14.4	26.4	125.3	996.5			14.5	16.0	27.3	129.0			101%	61%	22%	13%		
				10000000	15.0	24.7	122.6	1089.7	9784.8		13.8	16.7	25.4	126.1	1147.8		92%	68%	21%	12%	12%	
				100000000	15.2	26.0	128.7	1117.2	10735.8	96163.5	14.7	18.8	30.8	125.4	1006.1	10385.7	97%	73%	24%	11%	9%	11%
		100	1	1000000	24.8	125.4	986.8	2644.4			20.3	34.7	118.2	605.3			82%	28%	12%	23%		
				10000000	25.1	126.3	1097.2	9840.1	26552.7		20.6	37.1	130.5	977.5	6313.5		82%	29%	12%	10%	24%	
				100000000	27.8	129.7	1102.9	10757.7	96320.3	268674.7	23.5	38.8	131.5	1061.9	7822.2	69833.3	85%	30%	12%	10%	8%	26%

scan			pattern			rows	v1	v2	v3	v4	v5	v6		w1	w2	w3	w4	w5	w6		p1	p2	p3	p4	p5	p6
					10	1000000	24.8	123.6	989.0					20.6	36.0	115.3					83%	29%	12%			
						10000000	25.1	124.1	1094.4	9861.3				21.1	34.2	128.5	1000.5				84%	28%	12%	10%		
						100000000	27.0	131.8	1089.3	10762.7	96387.1			23.7	36.7	132.9	1055.6	7649.5			88%	28%	12%	10%	8%	
			sequential	5	1	1000000	13.0	14.4	14.8	19.9	56.6	413.9		12.9	14.3	14.5	28.1	119.2	799.5		99%	100%	98%	141%	210%	193%
						10000000	13.6	13.7	15.2	19.5	57.8	410.9		13.9	12.6	15.1	28.2	116.5	883.8		102%	92%	99%	145%	202%	215%
						100000000	13.2	14.0	14.7	18.4	57.0	488.0		12.3	14.4	15.1	27.4	117.0	862.0		93%	103%	103%	148%	205%	177%
					10	1000000	13.1	15.3	15.3	23.6	62.0			14.3	13.9	15.3	29.3	154.4			109%	91%	100%	124%	249%	
						10000000	14.6	14.5	16.5	21.8	61.3	430.8		13.3	14.3	15.9	27.9	155.2	1014.2		91%	98%	96%	128%	253%	235%
						100000000	13.2	13.8	16.0	21.8	62.2	449.0		14.4	13.9	15.4	28.3	153.5	1106.7		110%	100%	97%	130%	247%	246%
				10	1	1000000	13.4	13.6	15.3	24.2	95.2			13.4	14.4	16.8	42.7	212.3			100%	106%	110%	176%	223%	
						10000000	14.8	12.3	14.8	23.1	95.9	927.8		13.0	13.5	17.3	41.4	213.9	1702.3		88%	110%	117%	179%	223%	183%
						100000000	14.6	15.0	14.8	23.1	96.1	990.4		13.1	13.7	16.4	41.6	213.3	1713.6		90%	91%	110%	180%	222%	173%
					10	1000000	13.8	15.3	19.3	33.6				14.0	15.2	17.6	46.6				102%	99%	91%	139%		
						10000000	12.9	13.8	19.3	31.0	110.2			13.2	14.8	17.6	45.0	294.8			103%	107%	91%	145%	267%	
						100000000	13.5	15.4	17.9	31.3	111.0	1089.9		12.7	14.9	17.5	44.9	294.9	2174.4		94%	97%	98%	143%	266%	199%
				100	1	1000000	14.6	15.8	24.4	96.6				13.9	17.9	44.5	231.0				96%	113%	183%	239%		
						10000000	15.1	15.4	24.0	102.1	815.7			14.7	17.6	43.6	215.8	1512.4			97%	114%	182%	211%	185%	
						100000000	12.8	15.0	24.0	98.2	1038.5	10467.4		13.1	17.2	43.7	214.4	1585.1	16394.4		102%	115%	182%	218%	153%	157%
					10	1000000	14.8	19.1	55.1					14.9	27.5	43.3					100%	144%	79%			
						10000000	15.3	19.8	54.6	188.4				15.6	26.8	44.6	327.9				102%	136%	82%	174%		
						100000000	14.4	18.7	53.0	190.2	1051.4			14.9	26.9	44.1	328.1	3035.1			104%	143%	83%	173%	289%	
seqscan	master	i5	cycle	5	1	1000000	372.3	397.4	382.2	374.0	424.7	511.5		346.2	430.1	377.8	361.0	427.6	558.7		93%	108%	99%	97%	101%	109%
						10000000	3455.9	3249.1	3403.5	3468.5	3256.1	3317.0		3398.2	3151.3	3144.6	3226.9	3197.8	3291.6		98%	97%	92%	93%	98%	99%
						50000000	17665.6	15513.1	15536.4	15630.8	15709.9	15841.7		15485.6	15556.0	15545.6	15559.4	16350.0	15680.4		88%	100%	100%	100%	104%	99%
					10	1000000	366.7	394.4	383.9	389.8	410.6			344.8	403.0	367.5	377.3	378.1			94%	102%	96%	97%	92%	
						10000000	3399.3	3395.0	3148.6	3181.8	3182.0	3338.4		3207.9	3476.2	3147.7	3198.2	3279.8	3317.2		94%	102%	100%	101%	103%	99%
						50000000	15573.3	15538.3	15603.3	15513.0	15636.7	15693.1		15566.5	15709.6	16322.6	16308.8	15657.7	15859.7		100%	101%	105%	105%	100%	101%
				10	1	1000000	349.1	351.5	385.1	350.1	444.6			346.7	333.6	362.9	368.0	403.3			99%	95%	94%	105%	91%	
						10000000	3119.0	3146.8	3422.1	3201.9	3127.2	3339.2		3109.8	3114.6	3393.6	3167.1	3117.6	3363.6		100%	99%	99%	99%	100%	101%
						50000000	15407.0	15324.4	15923.5	15357.1	15376.4	16680.6		15374.3	15364.4	15341.8	15367.3	15376.0	16146.9		100%	100%	96%	100%	100%	97%
					10	1000000	400.8	335.4	386.5	357.6				388.6	334.4	369.3	331.9				97%	100%	96%	93%		
						10000000	3098.7	3133.6	3268.1	3156.9	3166.3			3103.9	3111.5	3077.6	3171.6	3120.7			100%	99%	94%	100%	99%	
						50000000	15405.2	15367.6	15558.5	15347.1	15396.2	16000.8		16703.6	15383.1	15385.7	15311.1	16599.7	16049.7		108%	100%	99%	100%	108%	100%
				100	1	1000000	388.4	380.6	376.1	378.1				365.6	364.9	373.8	405.1				94%	96%	99%	107%		
						10000000	3149.3	3122.4	3132.0	3223.9	3628.1			3152.5	3200.7	3486.8	3182.2	3357.1			100%	103%	111%	99%	93%	
						50000000	15449.0	15371.6	15335.8	15521.0	16072.7	21736.1		15851.8	15965.5	15414.6	17936.3	16019.6	21653.1		103%	104%	101%	116%	100%	100%
					10	1000000	357.5	337.6	397.1					386.4	351.8	376.7					108%	104%	95%			
						10000000	3163.1	3066.9	3162.9	3173.6				3160.5	3090.8	3147.3	3402.0				100%	101%	100%	107%		
						50000000	15321.2	15987.0	15424.5	15497.9	16413.2			15397.1	15560.3	15395.7	15859.6	16545.6			100%	97%	100%	102%	101%	
			random	5	1	1000000	331.7	381.3	398.6	436.2	399.0	519.2		332.7	348.3	369.2	379.2	369.0	500.7		100%	91%	93%	87%	92%	96%
						10000000	3187.7	3529.4	3713.0	3260.1	3257.0	3210.6		3209.0	3200.8	3544.3	3262.5	3349.6	3241.1		101%	91%	95%	100%	103%	101%
						50000000	15582.2	16479.0	17362.7	15633.8	15611.9	17563.8		17302.5	15802.4	15772.9	15522.0	15621.4	15776.5		111%	96%	91%	99%	100%	90%
					10	1000000	368.1	367.9	351.7	396.3	383.4			341.0	366.3	334.6	353.1	370.4			93%	100%	95%	89%	97%	
						10000000	3214.1	3194.9	3288.1	3233.2	3456.7	3270.0		3203.9	3189.8	3150.2	3250.0	3142.0	3279.1		100%	100%	96%	101%	91%	100%
						50000000	15470.5	15478.2	15464.9	16379.9	15599.0	15841.0		15515.3	15521.9	15978.1	15528.2	15581.2	15911.7		100%	100%	103%	95%	100%	100%
				10	1	1000000	333.5	370.8	391.1	373.8	378.4			365.8	351.8	356.9	408.7	383.8			110%	95%	91%	109%	101%	
						10000000	3144.1	3207.2	3111.5	3209.1	3145.4	3362.3		3161.7	3198.1	3151.1	3238.1	3128.5	3395.7		101%	100%	101%	101%	99%	101%
						50000000	15679.4	15335.0	15255.5	15402.2	15435.5	15931.4		15283.6	15342.8	15391.6	15354.0	15496.1	15680.1		97%	100%	101%	100%	100%	98%
					10	1000000	369.5	407.8	389.1	450.1				334.7	337.2	350.3	419.8				91%	83%	90%	93%		
						10000000	3136.5	3194.9	3118.2	3496.0	3106.9			3169.0	3139.9	3405.7	3215.5	3105.5			101%	98%	109%	92%	100%	
						50000000	15323.0	15378.3	15965.6	15383.0	15489.0	16563.8		16028.7	17731.2	15374.4	15312.6	15391.2	15660.2		105%	115%	96%	100%	99%	95%
				100	1	1000000	359.9	363.2	343.1	395.9				333.6	354.0	360.5	391.6				93%	97%	105%	99%		
						10000000	3171.3	3157.8	3156.4	3168.5	3674.2			3156.7	3169.8	3146.0	3108.2	3392.0			100%	100%	100%	98%	92%	
						50000000	15358.5	15526.4	15482.7	15431.5	15674.1	18535.0		15357.6	16114.2	15437.0	15569.7	15704.4	21901.1		100%	104%	100%	101%	100%	118%
					10	1000000	344.6	397.7	339.9					366.5	371.1	396.4					106%	93%	117%			
						10000000	3176.5	3182.9	3185.7	3139.5				3154.0	3419.3	3174.4	3183.7				99%	107%	100%	101%		
						50000000	15455.3	15441.1	15960.2	15516.4	16147.4			15455.2	15380.7	15421.5	15495.2	15769.9			100%	100%	97%	100%	98%	
			sequential	5	1	1000000	381.8	404.7	348.3	353.3	487.4	511.9		408.4	382.4	353.2	390.4	391.9	488.3		107%	94%	101%	110%	80%	95%
						10000000	3226.0	3664.7	3179.4	3223.0	3141.8	3458.9		3197.6	3633.2	3178.5	3151.5	3209.7	3487.0		99%	99%	100%	98%	102%	101%

Machine	Pattern			Size																		
				50000000	15926.5	15570.9	16707.2	15539.7	15651.8	15710.1	15552.4	15564.3	15629.8	15785.2	15610.8	15899.9	98%	100%	94%	102%	100%	101%
			10	1000000	426.5	402.6	398.8	370.5	370.0		430.0	414.1	382.8	381.7	437.0		101%	103%	96%	103%	118%	
				10000000	3135.9	3835.1	3336.9	3180.1	3259.9	3324.7	3154.2	3257.4	3429.9	3129.7	3155.0	3274.5	101%	85%	103%	98%	97%	98%
				50000000	15493.6	15605.5	15506.0	15510.8	15804.7	15734.7	16027.5	15558.8	15442.0	15617.9	15656.9	15874.2	103%	100%	100%	101%	99%	101%
		10	1	1000000	391.8	398.9	334.8	373.0	427.3		351.7	345.4	345.7	385.2	425.5		90%	87%	103%	103%	100%	
				10000000	3111.5	3149.4	3135.3	3104.1	3165.0	3367.5	3101.3	3171.8	3130.5	3117.9	3180.6	3643.8	100%	101%	100%	100%	100%	108%
				50000000	15348.5	15580.4	15202.6	15276.9	15332.8	15639.1	15411.7	15369.5	15705.0	15349.9	15327.5	16159.0	100%	99%	103%	100%	100%	103%
			10	1000000	360.9	375.4	372.0	376.2			422.9	344.0	364.6	376.8			117%	92%	98%	100%		
				10000000	3103.9	3142.1	3146.1	3152.8	3173.5		3089.7	3133.2	3150.3	3115.7	3136.5		100%	100%	100%	99%	99%	
				50000000	15415.2	15331.2	15267.8	15343.6	15243.0	15886.0	15420.2	15227.3	15361.9	16760.9	15316.5	15971.3	100%	99%	101%	109%	100%	101%
		100	1	1000000	352.9	336.2	376.7	378.2			389.1	344.1	370.8	398.1			110%	102%	98%	105%		
				10000000	3109.4	3179.0	3156.8	3135.3	3355.6		3068.9	3082.8	3148.8	3685.4	3371.9		99%	97%	100%	118%	100%	
				50000000	15482.9	15337.8	15399.5	15377.2	15644.1	18660.4	16407.0	15421.3	15426.3	15845.9	15631.8	18640.0	106%	101%	100%	103%	100%	100%
			10	1000000	370.2	358.8	328.3				358.3	368.1	362.1				97%	103%	110%			
				10000000	3142.7	3115.6	3175.2	3771.2			3144.5	3129.1	3183.4	3172.6			100%	100%	100%	84%		
				50000000	15493.2	15895.6	15465.8	15456.4	15629.7		15443.0	16775.6	15359.4	15408.9	15664.9		100%	106%	99%	100%	100%	
xeon	cycle	5	1	1000000	268.9	266.6	235.1	270.1	248.8	392.6	269.9	270.0	271.8	270.3	285.0	389.3	100%	101%	116%	100%	115%	99%
				10000000	2328.0	2303.8	2319.4	2257.4	2312.5	2501.9	2321.5	2302.9	2336.4	2290.1	2351.3	2537.9	100%	100%	101%	101%	102%	101%
				100000000	22438.1	22431.7	22671.6	22634.9	22654.6	22605.3	22557.2	22458.6	22486.0	22612.9	22643.5	22605.8	101%	100%	99%	100%	100%	100%
			10	1000000	268.9	270.3	269.8	273.0	244.7		270.0	266.8	271.3	239.0	289.4		100%	99%	101%	88%	118%	
				10000000	2301.7	2333.4	2289.1	2280.5	2287.9	2505.3	2327.5	2243.0	2294.2	2275.4	2315.0	2360.0	101%	96%	100%	100%	101%	94%
				100000000	22439.0	22458.5	22604.8	22601.4	22611.2	22542.6	22494.0	22483.7	22495.7	22664.2	22402.8	22532.0	100%	100%	100%	100%	99%	100%
		10	1	1000000	264.7	265.7	264.3	233.1	298.0		266.5	266.2	264.2	270.7	293.7		101%	100%	100%	116%	99%	
				10000000	2318.8	2327.8	2318.1	2332.0	2337.3	2479.4	2326.3	2326.5	2288.4	2334.5	2335.4	2821.4	100%	100%	99%	100%	100%	114%
				100000000	22611.5	22633.9	22568.6	22537.8	22592.6	22618.6	22674.3	22689.3	22627.6	22549.0	22610.3	22853.0	100%	100%	100%	100%	100%	101%
			10	1000000	264.8	267.5	265.8	268.7			264.0	259.8	262.4	232.8			100%	97%	99%	87%		
				10000000	2320.3	2325.6	2311.9	2328.1	2326.2		2332.0	2329.8	2288.1	2316.2	2332.6		101%	100%	99%	99%	100%	
				100000000	22459.3	22426.8	22679.1	22615.7	22682.9	22693.0	22580.0	22635.8	22695.9	22669.0	22747.0	22757.9	101%	101%	100%	100%	100%	100%
		100	1	1000000	270.3	270.8	237.8	297.7			270.1	266.9	274.9	296.4			100%	99%	116%	100%		
				10000000	2326.1	2331.3	2313.0	2369.4	2635.8		2340.5	2261.1	2334.3	2354.4	2555.1		101%	97%	101%	99%	97%	
				100000000	22573.3	22561.0	22585.5	22605.3	22631.4	28946.3	22477.4	22411.7	22634.1	22444.1	22848.6	28935.7	100%	99%	100%	99%	101%	100%
			10	1000000	270.8	265.5	277.7				267.4	264.1	272.0				99%	99%	98%			
				10000000	2331.0	2313.8	2315.8	2384.0			2308.3	2349.2	2291.1	2366.4			99%	102%	99%	99%		
				100000000	22442.2	22577.8	22648.9	22714.7	22917.4		22527.6	22481.7	22526.8	22664.6	22821.3		100%	100%	99%	100%	100%	
	random	5	1	1000000	268.6	270.4	270.8	271.7	281.9	433.2	268.6	273.6	269.1	269.6	282.9	455.1	100%	101%	99%	99%	100%	105%
				10000000	2327.8	2315.9	2338.6	2299.5	2302.5	2458.1	2275.1	2341.7	2335.1	2321.7	2359.1	2439.8	98%	101%	100%	101%	102%	99%
				100000000	22636.4	22212.4	22603.0	22713.5	23097.9	22609.5	22573.7	22470.1	22511.2	22559.3	23207.8	22667.9	100%	101%	100%	99%	100%	100%
			10	1000000	273.2	272.5	271.9	274.3	284.5		267.8	274.3	272.1	272.2	286.1		98%	101%	100%	99%	101%	
				10000000	2335.3	2353.8	2332.9	2325.9	2309.2	2557.2	2269.1	2334.4	2306.2	2338.5	2305.9	2438.1	97%	99%	99%	101%	100%	95%
				100000000	22673.1	22541.9	22607.9	22598.1	23158.9	22927.8	22612.1	22309.0	22473.1	22470.7	23049.2	22581.6	100%	99%	99%	99%	100%	98%
		10	1	1000000	263.4	264.2	264.9	269.9	308.0		261.6	262.1	230.5	263.6	299.9		99%	99%	87%	98%	97%	
				10000000	2354.2	2312.1	2285.3	2329.8	2375.2	2716.4	2333.1	2322.8	2274.7	2320.7	2361.7	2797.9	99%	100%	100%	100%	99%	103%
				100000000	22539.8	22511.5	22734.7	22616.3	23083.6	23084.2	22684.3	22520.2	22618.6	22573.6	23135.2	22846.7	101%	100%	99%	100%	100%	99%
			10	1000000	262.6	263.1	261.7	266.2			265.0	266.4	263.5	250.3			101%	101%	101%	94%		
				10000000	2341.0	2312.5	2287.6	2270.2	2355.5		2350.7	2333.5	2326.5	2323.6	2367.2		100%	101%	102%	102%	100%	
				100000000	22439.0	22555.1	22559.7	22544.7	23111.5	22792.1	22709.1	22477.9	22580.0	22555.6	23155.7	23067.4	101%	100%	100%	100%	100%	101%
		100	1	1000000	265.5	270.2	272.7	297.9			273.0	268.6	234.4	299.5			103%	99%	86%	101%		
				10000000	2346.7	2226.4	2333.0	2350.5	2780.8		2234.3	2286.6	2316.2	2330.6	2876.7		95%	103%	99%	99%	103%	
				100000000	22664.8	22373.0	22643.0	22530.4	23330.2	29016.9	22569.2	22445.4	22701.9	22597.4	23447.3	28575.6	100%	100%	100%	100%	101%	98%
			10	1000000	271.1	268.0	233.5				265.9	267.4	234.8				98%	100%	101%			
				10000000	2355.4	2323.8	2240.2	2352.8			2351.1	2344.2	2332.6	2348.8			100%	101%	104%	100%		
				100000000	22648.3	22410.2	22648.4	22648.6	23393.3		22509.2	22510.1	22808.3	22627.3	23251.0		99%	100%	101%	100%	99%	
	sequential	5	1	1000000	266.8	266.8	268.1	271.0	285.0	425.5	269.0	270.4	269.7	269.6	240.6	414.7	101%	101%	101%	99%	84%	97%
				10000000	2345.7	2246.4	2310.5	2325.0	2344.7	2510.1	2342.3	2283.9	2286.1	2313.9	2298.4	2489.9	100%	102%	99%	100%	98%	99%
				100000000	22598.8	22560.4	22437.5	22549.5	22712.0	22837.0	22688.4	22501.2	22492.7	22543.8	22659.9	22824.4	100%	100%	100%	100%	100%	100%
			10	1000000	270.2	267.5	270.8	267.3	284.6		268.2	266.1	270.1	269.0	285.0		99%	99%	100%	101%	100%	
				10000000	2274.9	2264.7	2312.6	2322.5	2327.2	2469.5	2355.9	2283.5	2338.3	2328.7	2350.3	2479.4	104%	101%	101%	100%	101%	100%
				100000000	22632.5	22606.9	22380.4	22575.9	22634.8	22616.1	22623.5	22609.8	22287.4	22591.7	22755.5	22644.7	100%	100%	100%	100%	101%	100%
		10	1	1000000	262.5	253.9	261.0	258.3	246.7		263.9	258.9	258.2	261.6	232.2		101%	102%	99%	101%	94%	

					10000000	2281.8	2281.2	2265.6	2244.5	2278.5	2754.0	2342.9	2293.6	2257.8	2230.1	2282.7	2788.9	103%	101%	100%	99%	100%	101%
					100000000	22675.2	22370.3	22197.4	22302.6	22658.1	22787.4	22684.6	22313.6	22191.8	22090.6	22212.8	22673.7	100%	100%	100%	99%	98%	100%
			10		1000000	263.1	262.8	258.4	262.2			265.5	259.7	257.8	258.3			101%	99%	100%	99%		
					10000000	2348.2	2269.8	2270.8	2237.3	2275.3		2339.7	2283.5	2280.9	2244.4	2289.0		100%	101%	100%	100%	101%	
					100000000	22701.5	22284.3	22307.7	22249.7	22216.3	22359.4	22696.9	22281.6	22106.2	22162.8	22349.3	22281.5	100%	100%	99%	100%	101%	100%
			100	1	1000000	263.2	261.0	264.3	283.6			263.8	261.7	265.8	279.4			100%	100%	101%	99%		
					10000000	2349.0	2291.4	2290.1	2307.2	2614.7		2306.9	2316.6	2267.7	2294.6	2690.0		98%	101%	99%	99%	103%	
					100000000	22689.1	22728.1	22199.3	22494.6	22752.1	28968.2	22754.9	22531.5	22054.0	22398.3	22714.5	29382.5	100%	99%	99%	100%	100%	101%
			10		1000000	268.5	264.0	263.4				267.9	261.9	260.5				100%	99%	99%			
					10000000	2323.8	2329.5	2304.5	2290.2			2355.6	2289.4	2274.2	2269.3			101%	98%	99%	99%		
					100000000	22553.4	22640.5	22419.0	22504.9	22559.4		22713.9	22589.1	22379.3	22394.1	22595.9		101%	100%	100%	100%	100%	
patched	i5	cycle	5	1	1000000	388.1	339.0	354.5	361.5	366.0	463.1	387.5	328.8	372.6	343.1	371.6	482.4	100%	97%	105%	95%	102%	104%
					10000000	3123.9	3085.9	3105.6	3179.7	3132.6	3281.7	3142.1	3130.5	3063.6	3166.2	3180.8	3316.2	101%	101%	99%	100%	102%	101%
					50000000	15657.3	15542.9	15488.2	15527.6	15678.1	15890.9	15546.0	15578.2	16174.6	16340.2	16417.6	15925.2	99%	100%	104%	105%	105%	100%
			10		1000000	379.4	332.7	358.3	372.0	358.0		344.2	339.6	356.0	365.8	373.3		91%	102%	99%	98%	104%	
					10000000	3116.9	3113.8	3133.5	3168.1	3180.6	3332.3	3137.3	3110.9	3381.0	3189.5	3149.6	3277.0	101%	100%	108%	101%	99%	98%
					50000000	15600.3	15510.0	15540.0	15559.6	15562.2	15975.9	15554.4	15478.3	15557.1	15524.5	15549.3	15928.4	100%	100%	100%	100%	100%	100%
			10	1	1000000	350.9	364.9	347.0	366.4	408.7		349.9	329.3	374.4	350.9	395.5		100%	90%	108%	96%	97%	
					10000000	3134.4	3072.1	3066.9	3176.1	3171.8	3330.0	3122.7	3050.8	3094.6	3138.2	3134.2	3325.0	100%	99%	101%	99%	99%	100%
					50000000	15459.7	15408.3	15352.8	15363.4	15442.7	16308.1	15435.6	15427.6	15316.5	15508.9	17154.1	15950.8	100%	100%	100%	101%	111%	98%
			10		1000000	351.5	330.8	351.6	368.7			342.0	338.8	345.6	342.6			97%	102%	98%	93%		
					10000000	3109.3	3138.4	3076.8	3165.0	3131.1		3263.9	3117.9	3078.1	3126.2	3128.4		105%	99%	100%	99%	100%	
					50000000	15388.5	15377.2	15350.5	15423.0	15482.4	16038.6	15356.9	15402.0	15342.5	15356.3	15444.7	15722.2	100%	100%	100%	100%	100%	98%
			100	1	1000000	324.9	377.9	381.5	364.9			334.5	370.3	369.9	396.8			103%	98%	97%	109%		
					10000000	3328.7	3369.5	3092.7	3178.9	3579.8		3218.0	3391.6	3135.6	3175.5	3381.9		97%	101%	101%	100%	94%	
					50000000	15483.7	15416.1	17135.2	15318.7	15682.3	23522.6	15413.1	15461.6	15405.5	15390.0	15799.8	18464.5	100%	100%	90%	100%	101%	78%
			10		1000000	356.3	362.3	344.8				349.8	339.4	352.9				98%	94%	102%			
					10000000	3123.5	3115.7	3103.1	3117.6			3128.8	3165.1	3084.1	3102.3			100%	102%	99%	100%		
					50000000	15485.9	15411.5	15516.8	15587.2	16034.2		16488.7	15419.4	15372.1	17137.7	16033.5		106%	100%	99%	110%	100%	
		random	5	1	1000000	344.0	374.3	351.4	353.0	385.1	515.4	375.9	361.0	346.5	363.8	371.6	479.0	109%	96%	99%	103%	96%	93%
					10000000	3259.7	3198.5	3179.3	3101.6	3146.0	3290.3	3500.5	3180.5	3180.5	3100.3	3201.6	3267.3	107%	99%	100%	100%	102%	99%
					50000000	15468.5	15835.4	15490.3	15429.1	15555.0	15969.2	15546.0	15499.9	15532.6	15547.7	16152.5	15874.7	101%	98%	100%	101%	104%	99%
			10		1000000	352.8	384.5	374.5	371.4	374.4		379.2	377.2	343.1	347.9	369.7		108%	98%	92%	94%	99%	
					10000000	3328.4	3172.8	3158.0	3145.2	3224.2	3323.1	3134.5	3094.1	3191.1	3082.3	3299.9	3328.8	94%	98%	101%	98%	102%	100%
					50000000	15479.0	15515.7	15554.6	16440.4	16522.7	15961.1	15521.9	15504.0	16230.0	15638.7	15525.3	15818.0	100%	100%	104%	95%	94%	99%
			10	1	1000000	376.3	378.2	369.0	359.8	393.8		421.2	382.0	389.0	326.4	348.0		112%	101%	105%	91%	88%	
					10000000	3124.2	3071.0	3163.3	3034.2	3171.6	3341.6	3106.9	3048.9	3138.2	3085.9	3122.9	3564.3	99%	99%	99%	102%	98%	107%
					50000000	15438.7	15368.0	15689.0	15981.7	15501.0	16219.6	15345.8	15879.5	15356.6	15322.6	15463.5	16063.1	99%	103%	98%	96%	100%	99%
			10		1000000	379.5	372.8	347.0	322.4			382.5	347.7	333.5	334.9			101%	93%	96%	104%		
					10000000	3411.0	3049.8	3143.1	3094.2	3238.5		3089.9	3030.2	3171.1	3133.7	3147.5		91%	99%	101%	101%	97%	
					50000000	16710.4	15301.3	15801.5	15415.2	15416.7	15793.2	15413.9	15389.9	15340.1	16368.6	15457.9	16106.6	92%	101%	97%	106%	100%	102%
			100	1	1000000	326.9	408.2	382.6	356.0			317.3	377.3	358.7	349.1			97%	92%	94%	98%		
					10000000	3138.4	3099.6	3147.7	3422.4	3476.7		3119.1	3106.6	3331.4	3163.9	3606.0		99%	100%	106%	92%	104%	
					50000000	15445.0	15423.1	15521.6	15497.2	16662.6	18502.0	15368.5	15393.7	16702.5	15483.6	16109.2	21936.3	100%	100%	108%	100%	97%	119%
			10		1000000	341.8	356.8	339.1				356.4	373.1	356.7				104%	105%	105%			
					10000000	3120.6	3070.8	3160.1	3137.5			3115.2	3094.5	3122.1	3202.5			100%	101%	99%	102%		
					50000000	15408.4	15492.0	15425.1	15494.1	15733.6		15444.1	17224.2	15370.3	16014.7	15875.1		100%	111%	100%	103%	101%	
		sequential	5	1	1000000	371.2	343.8	339.7	357.9	412.4	511.2	363.7	374.5	374.6	388.2	419.0	475.7	98%	109%	110%	108%	102%	93%
					10000000	3122.5	3156.1	3186.3	3156.1	3145.8	3312.8	3087.6	3171.2	3151.4	3190.4	3254.0	3294.6	99%	100%	99%	101%	103%	99%
					50000000	15482.0	16292.8	15546.5	15594.8	15492.4	15673.6	15563.2	15532.9	15536.8	15574.6	15879.9	15928.4	101%	95%	100%	100%	103%	102%
			10		1000000	385.6	347.7	355.3	384.7	397.0		395.3	370.6	375.5	369.7	362.3		103%	107%	106%	96%	91%	
					10000000	3152.9	3125.4	3147.8	3479.1	3161.5	3267.4	3167.9	3160.9	3119.9	3150.6	3124.4	3295.6	100%	101%	99%	91%	99%	101%
					50000000	15505.1	15478.4	15533.0	15486.1	15653.4	15868.6	16761.4	15522.9	15595.2	15557.4	15661.4	15748.5	108%	100%	100%	100%	100%	99%
			10	1	1000000	386.3	339.3	332.4	356.2	394.0		355.8	335.1	337.3	367.9	430.3		92%	99%	101%	103%	109%	
					10000000	3259.4	3137.4	3093.8	3116.0	3133.1	3382.8	3465.0	3096.7	3052.6	3162.1	3101.1	3707.8	106%	99%	99%	101%	99%	110%
					50000000	15346.7	15311.0	16632.1	15308.0	15638.9	15936.9	15375.9	15372.3	15304.0	15905.8	15366.7	15986.7	100%	100%	92%	104%	98%	100%
			10		1000000	366.5	334.2	369.5	363.0			375.8	352.1	348.9	362.5			103%	105%	94%	100%		
					10000000	3116.6	3108.0	3068.1	3121.3	3113.9		3115.9	3097.0	3086.9	3135.7	3101.0		100%	100%	101%	100%	100%	
					50000000	15326.0	15411.6	15241.0	15282.8	15491.0	15626.6	15436.8	15448.3	15286.8	15280.8	15392.9	15620.6	101%	100%	100%	100%	99%	100%

cpu	pattern	a	b	size	group 1	group 2	percentages
		100	1	1000000	345.9 375.3 321.8 399.3	377.7 353.1 337.6 360.2	109% 94% 105% 90%
				10000000	3145.8 3137.2 3032.8 3518.0 3322.7	3115.8 3090.9 3072.3 3157.8 3600.7	99% 99% 101% 90% 108%
				50000000	15490.2 15375.7 15314.9 15444.8 15618.5 18698.5	15458.9 15383.1 15318.2 15373.8 15926.4 18664.6	100% 100% 100% 100% 102% 100%
			10	1000000	354.4 373.7 340.8	342.2 353.3 369.1	97% 95% 108%
				10000000	3602.9 3128.7 3096.9 3223.3	3420.0 3086.8 3078.4 3107.4	95% 99% 99% 96%
				50000000	15449.4 15436.4 15289.7 15427.3 15678.1	15492.0 15416.8 15362.5 16153.0 15599.4	100% 100% 100% 105% 99%
xeon	cycle	5	1	1000000	267.9 269.6 270.0 272.4 283.7 392.8	269.2 268.4 270.8 268.1 283.2 395.6	100% 100% 100% 98% 100% 101%
				10000000	2327.4 2278.3 2333.4 2365.4 2356.1 2374.1	2330.9 2357.2 2323.4 2349.0 2322.1 2469.4	100% 103% 100% 99% 99% 104%
				100000000	22476.0 22343.9 22613.2 22682.6 22551.9 22576.6	22574.8 22449.1 22487.3 22488.4 22528.1 22644.5	100% 100% 99% 99% 100% 100%
			10	1000000	270.5 265.8 235.8 269.9 284.9	271.1 267.1 268.2 272.3 283.5	100% 100% 114% 101% 99%
				10000000	2364.9 2292.5 2318.2 2344.7 2314.5 2396.8	2303.9 2333.1 2319.1 2348.9 2345.2 2489.5	97% 102% 100% 100% 101% 104%
				100000000	22403.9 22354.1 22585.5 22596.3 22553.3 22769.1	22557.8 22624.4 22642.5 22514.0 22678.1 22469.6	101% 101% 100% 100% 101% 99%
		10	1	1000000	262.2 267.1 264.4 267.4 295.1	266.3 266.0 264.4 269.3 293.7	102% 100% 100% 101% 100%
				10000000	2322.8 2331.9 2302.2 2340.3 2306.1 2469.9	2333.1 2292.2 2319.3 2313.1 2346.2 2556.5	100% 98% 101% 99% 102% 104%
				100000000	22728.3 22553.4 22642.4 22610.7 22572.8 22668.2	22420.3 22534.8 22680.7 22638.5 22574.4 23048.2	99% 100% 100% 100% 100% 102%
			10	1000000	265.7 264.6 264.3 263.7	262.9 263.6 264.0 264.7	99% 100% 100% 100%
				10000000	2312.9 2338.5 2316.0 2332.6 2315.1	2327.3 2346.0 2308.0 2328.8 2338.3	101% 100% 100% 100% 101%
				100000000	22453.9 22460.3 22688.0 22655.1 22546.4 22735.3	22625.3 22617.2 22677.1 22619.0 22619.1 22903.8	101% 101% 100% 100% 100% 101%
		100	1	1000000	267.1 239.6 242.8 292.7	268.7 266.6 273.1 276.6	101% 111% 112% 94%
				10000000	2278.8 2335.5 2308.7 2368.8 2597.8	2338.5 2336.6 2326.4 2331.3 2642.4	103% 100% 101% 98% 102%
				100000000	22568.4 22320.8 22482.1 22689.3 22452.6 28727.0	22399.0 22574.3 22608.4 22632.5 22638.4 28610.6	99% 101% 101% 100% 101% 100%
			10	1000000	274.9 267.1 271.2	268.6 238.5 271.4	98% 89% 100%
				10000000	2302.3 2288.7 2324.9 2379.7	2347.5 2347.3 2303.7 2290.9	102% 103% 99% 96%
				100000000	22496.7 22563.8 22424.3 22692.7 22780.2	22538.1 22420.3 22577.7 22644.9 22812.1	100% 99% 101% 100% 100%
	random	5	1	1000000	267.5 270.4 266.8 271.7 285.4 430.4	270.3 266.7 270.3 271.8 283.6 512.1	101% 99% 101% 100% 99% 119%
				10000000	2367.2 2345.3 2357.4 2305.6 2370.6 2459.6	2364.8 2331.5 2277.7 2327.5 2315.3 2350.6	100% 99% 97% 101% 98% 96%
				100000000	22576.6 22517.8 22743.4 22524.5 23052.5 22753.2	22510.0 22410.3 22688.8 22624.9 23030.3 22719.3	100% 100% 100% 100% 100% 100%
			10	1000000	271.7 268.9 268.1 269.7 245.3	269.0 269.1 268.6 271.3 284.5	99% 100% 100% 101% 116%
				10000000	2338.1 2321.5 2338.7 2328.8 2331.5 2422.8	2332.1 2357.0 2300.0 2271.9 2304.1 2400.6	100% 102% 98% 98% 99% 99%
				100000000	22670.1 22124.8 22435.5 22483.4 23197.6 22680.4	22641.7 22470.4 22677.5 22519.0 23076.0 22831.6	100% 102% 101% 100% 99% 101%
		10	1	1000000	264.0 263.0 268.8 252.6 295.8	266.4 265.6 268.3 251.0 298.2	101% 101% 100% 99% 101%
				10000000	2285.2 2303.0 2290.6 2304.1 2313.6 2569.9	2338.9 2281.2 2322.1 2333.0 2307.2 2718.8	102% 99% 101% 101% 100% 106%
				100000000	22558.2 22551.2 22675.4 22583.8 23145.7 23115.0	22485.8 22416.3 22733.4 22676.7 23241.3 23110.3	100% 99% 100% 100% 100% 100%
			10	1000000	265.0 268.6 265.0 261.1	263.6 266.5 266.1 263.3	99% 99% 100% 101%
				10000000	2337.2 2326.8 2324.7 2327.4 2321.1	2350.3 2327.4 2327.9 2294.7 2358.0	101% 100% 100% 99% 102%
				100000000	22609.2 22529.4 22621.3 22632.9 23154.3 22971.8	22698.0 22619.3 22651.2 22595.6 23086.0 23003.4	100% 100% 100% 100% 100% 100%
		100	1	1000000	269.0 270.6 273.2 301.1	270.7 271.5 238.7 299.5	101% 100% 87% 99%
				10000000	2339.8 2339.2 2341.7 2322.9 2874.7	2358.2 2336.5 2312.2 2349.2 2860.1	101% 100% 99% 101% 99%
				100000000	22550.1 22559.2 22610.4 22483.3 23613.4 28822.8	22534.2 22297.1 22687.0 22695.4 23705.0 28677.8	100% 99% 100% 101% 100% 99%
			10	1000000	268.6 271.6 235.4	267.6 267.9 240.4	100% 99% 102%
				10000000	2320.1 2355.1 2341.1 2323.1	2352.3 2324.8 2336.0 2370.2	101% 99% 100% 102%
				100000000	22567.8 22370.8 22608.0 22599.8 23521.7	22763.5 22276.0 22429.0 22504.3 23416.5	101% 100% 99% 100% 100%
	sequential	5	1	1000000	269.6 274.6 272.2 271.5 236.9 519.6	270.2 266.1 270.5 269.5 233.5 372.2	100% 97% 99% 99% 99% 72%
				10000000	2316.1 2289.8 2343.9 2328.7 2345.5 2638.5	2356.0 2317.9 2342.8 2320.6 2347.3 2513.3	102% 101% 100% 100% 100% 95%
				100000000	22624.6 22597.1 22424.3 22582.6 22673.1 22533.5	22621.9 22598.2 22560.2 22692.7 22586.6 22732.4	100% 100% 101% 100% 100% 101%
			10	1000000	270.7 267.6 270.1 270.9 282.4	270.8 271.5 269.4 268.5 282.0	100% 101% 100% 99% 100%
				10000000	2354.7 2302.7 2282.1 2328.9 2292.4 2542.7	2342.8 2320.9 2360.9 2339.1 2321.9 2455.4	99% 101% 103% 100% 101% 97%
				100000000	22724.8 22606.1 22513.5 22556.6 22616.8 22910.0	22700.8 22540.8 22285.4 22529.4 22554.7 22682.1	100% 100% 99% 100% 100% 99%
		10	1	1000000	261.7 256.1 256.6 257.4 237.7	264.5 258.8 253.5 260.4 238.0	101% 101% 99% 101% 100%
				10000000	2328.7 2282.6 2255.2 2193.5 2279.2 2601.4	2357.5 2270.1 2247.2 2252.1 2280.5 2781.8	101% 99% 100% 103% 100% 107%
				100000000	22660.9 22333.1 22117.6 22199.1 22299.4 22684.3	22697.9 22383.8 22105.2 22071.7 22236.3 22839.6	100% 100% 100% 99% 100% 101%
			10	1000000	264.5 257.0 257.8 261.6	267.6 258.0 258.6 261.8	101% 100% 100% 100%
				10000000	2322.6 2283.4 2271.0 2261.0 2289.2	2328.6 2261.1 2283.5 2258.2 2270.1	100% 99% 101% 100% 99%
				100000000	22705.8 22470.0 21998.1 22197.4 22158.2 22438.9	22771.9 22454.0 22355.5 22319.0 22280.8 22838.0	100% 100% 102% 101% 101% 102%
		100	1	1000000	272.4 264.3 262.9 281.8	268.2 267.2 263.0 280.1	98% 101% 100% 99%
				10000000	2367.2 2295.8 2294.8 2323.6 2853.2	2301.3 2247.5 2289.2 2294.9 2713.9	97% 98% 100% 99% 95%
				100000000	22637.3 22458.8 22405.0 22328.6 22553.9 28968.9	22588.2 22502.4 22463.3 22240.9 22703.4 28849.0	100% 100% 100% 100% 101% 100%
			10	1000000	269.4 266.6 261.9	269.0 270.3 264.0	100% 101% 101%
				10000000	2340.1 2313.0 2269.9 2317.8	2311.1 2318.1 2291.3 2285.0	99% 100% 101% 99%

| | 100000000 | 22658.6 22584.7 22472.9 22545.8 22620.1 | 22638.0 22595.6 22611.6 22441.1 22733.1 | 100% 100% 101% 100% 100% |