AVERAGE of timing							branch matches																																									
							master													patched																												
machine	caching	rows	distribution	workers	work_mem	prefetch	2	4	8	16	32	52	64	128	256	512	1024	2048	4048	2	4	8	16	32	52	64	128	256	512	1024	2048	4048	2	4	8	16	32	52	64	128	256	512	1024	2048	4048
i5	cached	1000000	cyclic	0	128	0	4.0	7.7												3.9	7.5												99%	98%												
						1	4.1	8.1												4.0	7.5												97%	93%												
						8	4.1	8.1												4.1	7.6												99%	94%												
						16	4.1	8.0												4.0	7.8												99%	97%												
						32	4.1	8.1												4.1	7.2												99%	89%												
					4096	0	4.0	6.4	11.3	21.3	40.4	63.3								4.0	6.5	11.4	21.2	40.3	62.5								100%	101%	101%	100%	100%	99%										
						1	4.1	6.8	12.0	22.4	43.2	66.4								4.0	6.5	11.4	21.1	40.3	62.5								98%	96%	95%	94%	93%	94%										
						8	4.1	6.8	12.1	22.2	42.6	66.7								4.1	6.6	11.7	22.0	41.9	65.8								99%	97%	97%	99%	98%	99%										
						16	4.1	6.8	12.0	22.6	43.1	66.8								4.1	6.7	11.9	22.2	42.8	66.3								101%	97%	99%	98%	99%	99%										
						32	4.1	6.6	12.0	22.5	42.9	68.4								4.1	6.7	12.0	22.3	42.7									101%	101%	100%	99%	100%	0%										
					65536	0	3.9	6.5	11.3	21.2	40.1	62.9								4.0	6.4	11.5	21.4	40.5									101%	99%	102%	101%	101%	0%										
						1	4.1	6.7	12.1	22.6	43.1	67.6								4.0	6.4	11.3	21.2	40.7									97%	95%	94%	94%	94%	0%										
						8	4.1	6.8	12.1	22.4	42.6	67.0								4.1	6.6	11.7	21.8	42.0									100%	97%	97%	97%	99%	0%										
						16	4.1	6.7	12.0	22.4	42.7	67.5								4.0	6.6	11.8	22.1	42.9									98%	99%	98%	99%	101%	0%										
						32	4.1	6.8	12.0	22.4	42.6									3.9	6.7	11.9	22.1	42.8									94%	99%	99%	99%	101%											
				4	128	0	5.9	9.0												5.3	8.3												90%	92%												
						1	5.9	9.2												5.4	8.7												90%	95%												
						8	6.1	9.2												5.3	8.6												87%	93%												
						16	6.0	9.0												5.3	8.3												89%	93%												
						32	6.0	9.1												5.2	8.6												87%	94%												
					4096	0	5.9	8.7	13.1	23.1										5.4	8.4	11.7	21.2										92%	97%	90%	92%												
						1	6.7	8.8	13.2	23.3										5.3	8.3	11.7	20.5										79%	95%	89%	88%												
						8	5.9	8.6	13.3	23.3										5.3	8.2	12.6	21.9										90%	95%	95%	94%												
						16	6.0	8.9	13.3	22.7										5.3	8.2	12.4	21.4										88%	92%	93%	94%												
						32	6.0	8.9	13.2	23.4										5.2	8.3	12.8	21.8										87%	93%	97%	93%												
					65536	0	5.9	8.5	13.0	22.6										5.3	8.1	11.6	20.4										90%	95%	89%	91%												
						1	6.0	8.5	13.3	23.6										5.3	7.8	12.0	20.8										89%	91%	90%	88%												
						8	5.9	8.7	13.2	23.2										5.4	8.1	12.7	22.0										91%	93%	96%	94%												
						16	6.0	8.6	13.1	23.6										5.6	8.2	12.3	22.7										95%	96%	94%	96%												
						32	5.9	8.6	13.4	22.7										5.1	8.3	12.2	22.5										87%	97%	91%	99%												
			cyclic-fuzz	0	128	0	4.4	8.1												4.5	8.0												101%	99%												
						1	4.6	8.6												4.5	8.0												97%	93%												
						8	4.6	8.6												4.6	8.1												98%	95%												
						16	4.6	8.6												4.6	8.2												100%	95%												
						32	4.6	8.6												4.6	8.3												99%	96%												
					4096	0	4.4	6.8	11.7	21.6	40.9	63.4								4.5	6.9	11.8	21.3	40.7	63.7								103%	101%	101%	98%	100%	100%										
						1	4.5	7.2	12.6	22.9	43.2	67.6								4.5	6.9	11.8	21.6	41.2	63.0								100%	96%	93%	95%	95%	93%										
						8	4.6	7.4	12.4	23.3	43.6	67.6								4.5	7.1	12.2	22.3	42.6	65.7								98%	96%	98%	96%	98%	97%										
						16	4.6	7.3	12.4	23.1	44.1	67.2								4.6	7.2	12.4	22.6	43.4	67.0								100%	98%	100%	98%	98%	100%										
						32	4.6	7.3	12.4	22.9	44.2	67.5								4.6	7.2	12.5	22.7	43.5	67.5								99%	99%	100%	99%	98%	100%										
					65536	0	4.4	6.8	11.7	21.7	40.9	63.4								4.5	6.9	11.8	21.5	40.8	63.4								101%	101%	101%	99%	100%	100%										
						1	4.6	7.3	12.3	23.0	43.1	67.5								4.5	6.9	11.8	21.6	40.9	63.3								97%	95%	96%	94%	95%	94%										
						8	4.6	7.2	12.5	23.0	43.7	67.9								4.5	7.0	12.2	22.3	42.7	66.0								98%	98%	98%	97%	98%	97%										
						16	4.6	7.3	12.7	23.3	43.9	67.2								4.5	7.1	12.3	22.8	43.1	67.5								99%	98%	97%	98%	98%	100%										
						32	4.6	7.3	12.7	22.9	43.3	67.3								4.6	7.1	12.3	22.8	43.2	67.8								99%	98%	97%	99%	100%	101%										
				4	128	0	6.3	9.7												5.6	8.8												89%	90%												
						1	6.3	9.5												5.6	8.5												89%	89%												
						8	6.0	9.7												5.7	8.5												96%	88%												
						16	6.4	9.5												5.6	9.4												87%	99%												
						32	6.4	9.5												5.6	9.0												87%	95%												
					4096	0	6.3	8.8	13.7	23.7										5.5	8.9	12.2	21.3										88%	101%	89%	90%												
						1	6.4	9.3	14.0	23.7										5.6	8.1	12.1	21.4										87%	88%	86%	90%												
						8	6.4	9.2	14.2	24.2										5.7	9.0	12.4	23.0										88%	98%	87%	95%												
						16	6.4	9.5	13.7	23.8										5.6	8.3	12.0	22.7										88%	87%	88%	96%												
						32	6.4	9.1	13.9	23.6										5.6	8.4	12.5	22.7										88%	92%	90%	96%												
					65536	0	6.3	9.1	13.6	23.2										5.6	8.6	12.4	21.2										89%	94%	91%	91%												
						1	6.4	9.1	13.9	24.5										5.6	8.0	12.1	20.3										88%	88%	87%	83%												
						8	5.3	9.2	14.2	23.9										5.6	8.7	12.4	22.8										105%	94%	87%	96%												
						16	6.4	9.0	13.8	23.3										5.6	9.0	12.3	21.8										88%	100%	89%	93%												
						32	6.3	8.9	13.8	23.7										5.6	8.2	12.7	22.5										89%	92%	92%	95%												
			uniform	0	128	0	0.5	0.7	1.1	2.0					56.8	87.7				0.5	0.8	1.2	2.2						90.1				111%	110%	111%	108%						0%	103%				
						1	0.5	0.8	1.2	2.3						91.3				0.5	0.8	1.2	2.3						92.9				107%	101%	99%	102%							102%				
						8	0.5	0.8	1.2	2.2						94.4				0.5	0.8	1.3	2.3						91.1				106%	100%	103%	104%							97%				
						16	0.5	0.8	1.3	2.1						94.7				0.5	0.8	1.3	2.4						93.9				108%	103%	104%	113%							99%				
						32	0.5	0.8	1.3	2.3						93.2				0.6	0.8	1.5	2.3						91.8				115%	108%	113%	103%							98%				
					4096	0	0.5	0.7	1.1	2.0	3.7		7.1	12.7	23.0	38.6	53.4	69.3	89.3	0.5	0.8	1.4	2.3	4.2		7.7	14.6	26.0	42.5	56.3	71.8	92.0	113%	110%	118%	114%	112%		109%	115%	113%	110%	105%	104%	103%
						1	0.5	0.8	1.2	2.2	4.2		7.5	14.7	26.7	42.9	60.5	74.6	95.1	0.5	0.8	1.2	2.2	4.1		7.6	14.7	26.0	42.1	56.5	71.8	92.3	101%	98%	102%	101%	96%		101%	100%	97%	98%	93%	96%	97%
						8	0.5	0.8	1.2	2.2	4.1		7.8	14.6	25.8	43.3	60.7	78.0	97.4	0.5	0.8	1.3	2.3	4.4		8.2	15.0	27.1	43.2	59.2	75.7	96.0	99%	106%	109%	105%	105%		105%	103%	105%	100%	98%	97%	98%
						16	0.5	0.8	1.2	2.2	4.1		7.9	14.7	26.3	44.0	60.0	76.9	98.9	0.5	0.8	1.3	2.5	4.4		8.2	15.4	27.6	44.2	60.2	77.3	97.6	101%	107%	108%	111%	106%		104%	104%	105%	100%	100%	101%	99%
						32	0.5	0.8	1.2	2.2	4.0		7.7	14.7	26.4	43.3	61.2	76.6	96.8	0.6	0.8	1.4	2.3	4.6		8.3	15.5	28.3	44.9	61.0	77.9	98.6	113%	110%	119%	108%	114%		108%	106%	107%	104%	100%	102%	102%
					65536	0	0.5	0.7	1.2	2.1	3.8		7.1	12.9	23.3	38.7	53.4	69.1	89.5	0.5	0.7	1.2	2.3	4.0		7.8	14.2	25.7	41.9	56.5	71.9	91.8	107%	109%	104%	111%	105%		109%	110%	111%	108%	106%	104%	103%
						1	0.5	0.8	1.2	2.2	4.1		7.8	14.8	26.3	43.5	60.2	74.2	95.7	0.5	0.8	1.3	2.2	4.0		7.6	14.7	25.6	42.0	56.6	71.5	91.8	103%	97%	106%	100%	99%		98%	99%	97%	97%	94%	96%	96%
						8	0.5	0.8	1.2	2.2	4.2		7.8	14.4	25.9	43.6	60.3	75.7	98.6	0.5	0.8	1.3	2.3	4.2		8.2	15.1	27.0	43.3	59.7	75.5	95.9	109%	104%	114%	106%	99%		105%	105%	104%	99%	99%	100%	97%
						16	0.5	0.8	1.2	2.3	4.1		7.6	15.0	26.1	43.7	60.9	75.9	97.7	0.5	0.8	1.3	2.3	4.4		8.4	15.4	27.6	44.5	60.1	77.1	97.3	106%	106%	111%	102%	108%		110%	103%	106%	102%	99%	101%	100%
						32	0.5	0.8	1.3	2.2	4.0		7.6	14.6	26.2	43.6	61.2	78.2	98.2	0.6	0.8	1.3	2.5	4.5		8.3	15.6	27.9	44.9	61.0	78.1	98.9	113%	111%	103%	111%	112%		110%	107%	106%	103%	100%	100%	101%

			4	128	0	0.5	0.7	1.1	2.0				22.2	36.5	54.5			0.5	0.7	1.3	2.2				16.7	26.9	44.7			104%	101%	116%	110%				75%	74%	82%		
					1	0.5	0.8	1.2	2.2				22.8	37.8	56.0			0.5	0.8	1.3	2.2				16.9	27.5	45.0			105%	100%	107%	98%				74%	73%	80%		
					8	0.5	0.8	1.3	2.1				22.7	37.9	56.2			0.5	0.8	1.3	2.3				17.0	28.0	45.1			100%	104%	102%	109%				75%	74%	80%		
					16	0.5	0.8	1.2	2.2				22.6	37.9	55.2			0.6	0.8	1.4	2.4				17.0	28.5	46.5			121%	107%	113%	111%				75%	75%	84%		
					32	0.5	0.8	1.2	2.3				22.9	38.1	56.7			0.6	0.9	1.4	2.4				17.4	28.4	48.4			117%	113%	115%	105%				76%	75%	85%		
				4096	0	0.5	0.7	1.1	2.1	3.8		7.1	12.8	30.1	54.8	72.5	86.6	0.5	0.7	1.2	2.2	4.0		7.8	14.2	25.4	47.0	60.0	67.6	103%	100%	107%	108%	105%		111%	111%	84%	86%	83%	78%
					1	0.5	0.8	1.2	2.2	4.1		8.0	14.6	31.3	55.2	70.5	84.1	0.5	0.7	1.3	2.3	4.1		7.8	14.2	25.2	47.7	60.9	67.7	106%	96%	109%	105%	101%		97%	97%	80%	86%	86%	80%
					8	0.5	0.8	1.3	2.2	4.1		7.8	14.7	31.5	54.5	72.0	86.3	0.5	0.8	1.4	2.3	4.3		8.1	15.2	26.1	49.2	61.3	77.7	106%	109%	106%	105%	104%		104%	104%	83%	90%	85%	90%
					16	0.5	0.8	1.2	2.2	4.2		7.8	14.8	29.1	53.9	70.8	87.4	0.6	0.8	1.4	2.3	4.4		8.4	15.2	26.6	50.8	64.1	78.5	114%	109%	117%	104%	104%		108%	103%	92%	94%	90%	90%
					32	0.5	0.8	1.2	2.2	4.1		7.7	14.2	29.0	54.3	71.8	85.9	0.6	0.8	1.3	2.3	4.4		8.4	15.4	25.9	49.3	63.3	77.9	126%	107%	112%	104%	106%		109%	108%	90%	91%	88%	91%
				65536	0	0.5	0.7	1.1	2.0	3.8		7.2	12.9	23.0	54.2	73.0	87.5	0.5	0.8	1.3	2.2	4.2		7.8	14.4	25.0	47.9	56.8	67.2	111%	107%	116%	110%	110%		109%	112%	109%	88%	78%	77%
					1	0.5	0.8	1.3	2.2	4.1		7.7	14.7	28.7	54.5	71.0	86.9	0.5	0.8	1.2	2.2	4.1		7.7	14.2	25.4	46.6	59.0	67.6	114%	101%	94%	98%	101%		99%	97%	89%	85%	83%	78%
					8	0.5	0.8	1.3	2.2	4.1		7.9	14.4	31.5	53.7	71.8	85.7	0.5	0.8	1.3	2.4	4.2		8.0	15.0	25.5	48.8	61.7	78.7	102%	99%	102%	109%	105%		102%	105%	81%	91%	86%	92%
					16	0.5	0.8	1.2	2.2	4.0		7.7	14.9	31.8	54.5	69.9	85.2	0.6	0.8	1.3	2.4	4.5		8.4	15.3	26.6	49.1	62.2	77.2	108%	107%	105%	109%	113%		110%	103%	84%	90%	89%	91%
					32	0.5	0.8	1.2	2.2	4.2		7.8	14.6	31.7	54.0	71.3	86.0	0.6	0.8	1.4	2.4	4.4		8.4	15.3	26.7	50.4	63.6	77.9	116%	107%	111%	107%	105%		108%	105%	84%	93%	89%	91%
cached-os	1000000	cyclic	0	128	0	11.2	19.0											9.6	16.8											85%	88%												
					1	11.9	20.9											9.7	16.9											81%	81%												
					8	12.0	21.1											10.0	16.7											83%	79%												
					16	11.9	20.6											9.9	17.2											83%	83%												
					32	11.9	20.8											9.9	16.2											83%	78%												
				4096	0	11.1	17.6	30.8	57.7	108.0	175.2							9.7	15.6	27.0	49.1	93.3	147.4							88%	89%	88%	85%	86%	84%								
					1	11.8	19.4	33.9	62.4	119.9	184.7							9.7	15.5	27.0	49.2	93.9	148.1							82%	80%	80%	79%	78%	80%								
					8	11.9	19.4	33.8	60.9	117.0	189.5							9.9	15.7	27.3	49.2	93.7	148.1							83%	81%	81%	81%	80%	78%								
					16	11.7	19.5	34.0	62.0	118.9	187.5							10.0	15.8	27.7	49.7	94.4	149.2							85%	81%	81%	80%	79%	80%								
					32	11.9	19.0	33.4	62.1	119.3	190.0							10.0	15.9	27.6	50.0	94.5								84%	84%	83%	80%	79%	0%								
				65536	0	10.9	17.8	30.7	56.2	107.2	171.6							9.7	15.5	27.1	49.1	93.5								89%	87%	88%	87%	87%	0%								
					1	12.0	19.0	33.8	61.8	117.5	187.3							9.7	15.5	27.3	49.3	93.8								81%	81%	81%	80%	80%	0%								
					8	11.7	19.3	34.2	62.0	118.7	188.9							9.8	15.6	27.0	49.6	93.9								83%	81%	79%	80%	79%	0%								
					16	11.7	19.6	33.7	62.5	118.3	188.6							9.9	15.8	27.3	49.6	94.3								85%	80%	81%	79%	80%	0%								
					32	12.0	19.4	33.7	62.5	118.7								9.4	15.9	27.2	49.8	94.8								79%	82%	81%	80%	80%									
			4	128	0	7.6	11.7											7.7	10.8											102%	92%												
					1	7.9	12.3											7.7	11.0											97%	90%												
					8	7.9	12.1											7.2	10.8											90%	89%												
					16	7.8	12.2											7.4	11.0											95%	90%												
					32	7.9	12.1											7.4	11.9											93%	98%												
				4096	0	7.5	11.2	17.7	30.5									7.6	11.4	16.7	30.3									101%	102%	94%	99%										
					1	7.8	11.5	18.8	32.0									7.6	10.7	17.0	28.9									98%	93%	90%	90%										
					8	7.8	11.6	18.6	32.6									7.3	10.6	16.6	28.3									93%	91%	89%	87%										
					16	7.8	11.5	18.0	32.4									7.3	11.0	16.5	28.9									94%	96%	92%	89%										
					32	7.8	12.2	17.9	32.5									7.1	11.4	16.9	28.9									92%	94%	94%	89%										
				65536	0	7.6	11.0	17.4	30.4									8.0	11.1	16.7	28.7									105%	101%	96%	95%										
					1	7.8	11.4	18.3	31.8									7.7	10.9	16.3	29.9									98%	95%	89%	94%										
					8	7.8	11.3	18.5	32.4									7.1	10.6	16.1	29.0									91%	93%	87%	89%										
					16	7.8	12.0	17.7	32.2									7.2	10.9	16.5	29.2									92%	91%	93%	91%										
					32	7.8	11.6	18.6	31.7									7.3	10.8	17.1	29.1									94%	93%	92%	92%										
		cyclic-fuzz	0	128	0	12.9	21.4											11.4	18.5											88%	86%												
					1	14.2	23.3											11.5	18.4											81%	79%												
					8	14.2	23.3											11.6	18.3											82%	79%												
					16	13.9	23.4											11.7	18.6											84%	80%												
					32	14.1	23.1											11.6	18.6											82%	80%												
				4096	0	12.9	20.0	32.9	59.7	111.1	174.3							11.6	17.3	28.5	49.3	95.1	150.1							90%	87%	87%	83%	86%	86%								
					1	13.6	21.3	36.4	65.1	119.8	188.9							11.5	17.2	28.8	50.9	94.8	148.2							84%	81%	79%	78%	79%	78%								
					8	14.3	21.9	36.1	64.8	121.2	189.6							11.6	17.6	28.8	51.3	95.5	150.3							82%	81%	80%	79%	79%	79%								
					16	14.4	21.8	35.7	64.5	122.4	189.9							11.7	17.5	28.8	51.5	96.3	150.9							81%	80%	81%	80%	79%	80%								
					32	14.2	21.6	35.6	63.8	122.3	190.1							11.6	17.5	29.0	51.4	96.9	151.0							82%	81%	81%	81%	79%	79%								
				65536	0	13.1	19.9	32.3	58.2	109.3	174.6							11.5	17.3	28.6	50.7	94.6	149.2							88%	87%	88%	87%	87%	85%								
					1	14.2	21.2	35.3	64.2	119.5	188.3							11.6	17.2	28.4	51.0	95.0	149.6							81%	81%	80%	79%	80%	79%								
					8	14.0	21.5	35.8	64.1	123.2	189.4							11.6	17.5	28.7	51.1	95.7	151.3							83%	82%	80%	80%	78%	80%								
					16	14.0	21.7	36.1	64.5	121.0	191.9							11.6	17.4	28.9	51.1	96.0	151.0							83%	80%	80%	79%	79%	79%								
					32	14.1	21.3	36.6	63.5	122.5	191.0							11.7	17.5	29.0	51.2	96.6	151.0							83%	82%	79%	81%	79%	79%								
			4	128	0	8.2	12.9											8.1	11.9											98%	93%												
					1	8.5	13.5											8.4	11.6											98%	86%												
					8	7.9	13.8											7.8	11.6											98%	84%												
					16	8.6	12.6											7.7	11.5											90%	91%												
					32	8.6	13.2											7.9	11.7											92%	89%												
				4096	0	8.3	12.4	18.5	32.1									8.3	11.9	18.0	30.1									99%	96%	98%	94%										
					1	8.5	12.5	18.6	32.8									8.1	11.5	18.5	30.3									95%	92%	99%	92%										
					8	9.2	12.6	18.8	33.4									7.7	11.1	17.0	30.0									84%	88%	91%	90%										
					16	8.8	12.4	19.3	33.4									7.7	11.0	17.3	30.2									88%	88%	90%	90%										
					32	8.6	12.6	18.9	33.0									7.8	11.8	17.9	30.2									91%	93%	95%	92%										
				65536	0	8.3	12.8	18.4	30.5									8.3	11.6	17.8	30.0									100%	90%	97%	98%										
					1	8.6	12.5	19.0	32.9									8.1	11.5	17.3	29.7									94%	92%	91%	90%										
					8	8.9	12.3	19.0	33.2									7.7	11.1	16.5	29.4									87%	90%	87%	89%										
					16	8.6	12.3	19.1	33.4									7.7	11.7	17.6	29.9									90%	95%	92%	89%										
					32	8.6	12.3	19.5	33.2									7.8	11.9	17.7	30.8									91%	97%	91%	93%										
		uniform	0	128	0	2.2	3.5	6.0	11.2					155.2	236.5			2.4	3.7	6.7	12.1						218.1			108%	107%	112%	108%						0%	92%		
					1	2.2	3.8	6.7	12.3						253.3			2.5	3.8	6.4	12.3						221.3			113%	99%	96%	100%							87%		
					8	2.5	3.9	6.8	12.1						258.2			2.4	3.9	6.6	12.3						219.5			99%	98%	97%	101%							85%		

						16	2.4	3.8	6.6	11.9					259.3				2.4	3.8	6.7	12.4					223.6			103%	100%	101%	105%					86%			
						32	2.2	4.1	6.8	12.5					260.5				2.5	4.0	7.2	12.2					222.6			112%	98%	106%	98%					85%			
					4096	0	2.2	3.5	6.2	11.1	20.8	39.3	70.0	119.3	188.1	240.8	268.1	291.0	2.5	3.9	6.9	12.4	22.5	40.5	72.7	119.5	171.9	208.1	227.5	244.9	115%	111%	112%	112%	108%	103%	104%	100%	91%	86%	85%	84%
						1	2.4	3.8	6.4	12.5	24.0	41.4	78.0	132.8	205.9	268.0	292.3	312.9	2.3	3.7	6.6	12.3	22.2	40.2	72.9	120.0	171.9	208.3	227.3	244.4	99%	99%	102%	98%	93%	97%	94%	90%	84%	78%	78%	78%
						8	2.5	3.9	6.5	12.4	23.2	42.9	76.8	133.8	209.6	276.1	298.5	322.7	2.4	3.9	6.7	12.7	23.2	42.6	74.0	122.2	173.0	211.2	229.3	247.2	95%	99%	103%	103%	100%	99%	96%	91%	83%	76%	77%	77%
						16	2.4	3.8	6.7	12.3	22.9	43.6	77.1	133.1	208.3	269.5	301.5	325.1	2.3	4.0	6.8	13.0	23.3	42.2	74.9	123.4	174.4	212.2	229.8	247.4	95%	104%	101%	105%	102%	97%	97%	93%	84%	79%	76%	76%
						32	2.4	3.8	6.3	12.0	22.4	42.7	77.3	133.0	206.5	271.7	303.5	324.3	2.6	4.1	7.0	12.2	23.4	41.8	76.3	125.0	176.0	213.7	230.6	248.9	108%	106%	113%	101%	104%	98%	99%	94%	85%	79%	76%	77%
					65536	0	2.2	3.4	6.2	11.5	20.9	39.1	69.4	121.8	185.3	241.1	269.4	286.5	2.3	3.7	6.6	12.2	21.7	41.2	71.3	118.8	170.6	208.9	227.2	244.8	107%	109%	105%	106%	104%	105%	103%	98%	92%	87%	84%	85%
						1	2.4	4.0	6.5	12.1	22.7	42.1	77.4	132.5	206.8	267.6	293.3	313.4	2.5	3.8	6.6	12.0	22.0	40.5	72.5	119.1	171.0	208.3	227.9	244.3	104%	96%	102%	100%	97%	96%	94%	90%	83%	78%	78%	78%
						8	2.4	3.8	6.4	12.1	23.1	42.8	76.6	133.4	209.3	270.1	298.3	320.4	2.4	3.8	7.0	12.5	22.8	42.1	74.0	121.7	174.0	210.9	229.7	247.3	101%	101%	109%	104%	98%	98%	97%	91%	83%	78%	77%	77%
						16	2.4	3.8	6.5	12.4	22.6	41.6	77.7	132.7	210.2	269.5	299.3	323.9	2.4	3.9	6.8	12.2	23.3	42.9	73.9	123.4	175.3	213.1	229.0	249.5	99%	102%	103%	99%	103%	103%	95%	93%	83%	79%	77%	77%
						32	2.5	3.7	6.6	12.5	22.7	42.1	77.8	133.8	209.5	271.6	302.8	324.2	2.5	4.0	6.8	12.7	23.7	42.5	75.1	124.5	174.9	212.4	230.2	248.1	101%	107%	103%	102%	105%	101%	97%	93%	83%	78%	76%	77%
				4	128	0	2.1	3.6	5.9	11.0			31.9	51.6	79.8				2.3	3.8	6.8	12.1			33.1	54.6	85.6				110%	105%	116%	109%			104%	106%	107%			
						1	2.3	4.0	6.4	12.0			33.3	55.4	87.3				2.4	3.8	6.8	11.9			33.1	55.2	85.4				105%	95%	106%	99%			99%	100%	98%			
						8	2.4	3.8	6.7	11.9			33.6	55.6	86.0				2.4	3.8	6.5	12.4			33.8	55.3	86.1				98%	101%	98%	104%			101%	100%	100%			
						16	2.2	3.9	6.6	12.1			33.0	54.9	86.8				2.4	4.0	6.8	12.5			33.9	56.2	88.3				109%	102%	104%	103%			103%	102%	102%			
						32	2.4	3.7	6.6	12.5			33.8	55.7	87.0				2.4	4.0	7.2	12.5			34.4	57.0	88.9				102%	108%	109%	100%			102%	102%	102%			
					4096	0	2.2	3.7	5.9	11.3	21.4	39.6	69.1	71.7	85.8	112.9	130.9		2.4	3.8	6.4	12.4	22.0	41.0	72.5	74.7	90.6	116.9	116.1		110%	102%	108%	110%	103%	103%	105%	104%	106%	104%	89%	
						1	2.3	3.9	6.5	12.0	22.7	43.8	76.6	77.4	85.3	114.5	127.6		2.4	3.7	6.7	12.2	22.5	40.3	72.3	74.3	90.0	118.9	116.3		102%	95%	104%	102%	99%	92%	94%	96%	106%	104%	91%	
						8	2.4	3.8	6.9	12.2	22.9	42.5	78.3	79.3	85.8	112.6	127.8		2.4	3.9	6.9	12.3	22.9	41.9	74.4	97.9	89.8	104.7	109.1		98%	101%	100%	101%	100%	99%	95%	123%	105%	93%	85%	
						16	2.4	3.7	6.4	12.5	23.3	42.5	78.5	107.0	85.1	113.1	126.7		2.5	4.0	6.9	12.3	23.1	42.7	73.7	100.2	91.3	106.9	110.2		106%	109%	107%	98%	100%	100%	94%	94%	107%	95%	87%	
						32	2.2	3.7	6.5	12.3	23.3	42.3	76.5	106.0	84.8	114.3	128.9		2.6	3.9	6.7	12.1	23.1	42.7	74.4	76.7	91.8	104.3	113.8		114%	106%	104%	98%	99%	101%	97%	72%	108%	91%	88%	
					65536	0	2.0	3.5	5.9	11.0	21.2	39.3	69.5	120.4	85.8	116.4	131.1		2.4	3.8	6.7	12.0	22.8	41.4	71.9	73.0	87.5	116.4	115.5		116%	110%	114%	109%	108%	105%	103%	61%	102%	100%	88%	
						1	2.2	3.8	6.7	12.2	22.7	42.5	77.2	105.4	88.0	115.3	127.5		2.5	3.8	6.3	11.9	22.7	40.6	72.2	96.6	93.6	120.6	115.7		112%	101%	94%	97%	100%	96%	94%	92%	106%	105%	91%	
						8	2.4	3.8	6.7	12.1	22.4	43.1	75.9	79.4	84.5	112.1	129.9		2.3	3.8	6.8	12.7	23.0	41.6	73.8	75.0	92.2	105.5	111.7		96%	100%	101%	105%	103%	97%	97%	94%	109%	94%	86%	
						16	2.5	3.8	6.7	12.1	22.2	41.7	78.0	79.9	84.8	110.1	128.6		2.4	3.9	6.7	12.6	23.4	42.7	74.4	98.9	90.2	108.6	111.4		98%	102%	101%	104%	105%	102%	95%	124%	106%	99%	87%	
						32	2.4	3.8	6.7	12.1	23.1	42.8	77.4	80.0	83.8	112.0	127.7		2.5	4.1	6.9	12.2	23.0	42.3	74.2	99.6	90.9	108.4	111.3		105%	108%	104%	101%	100%	99%	96%	125%	108%	97%	87%	
uncached	1000000	cyclic		0	128	0	233.6	269.8											75.3	223.3											32%	83%										
						1	179.8	250.0											78.4	225.4											44%	90%										
						8	51.9	83.8											112.2	203.4											216%	243%										
						16	39.8	66.3											90.8	182.2											228%	275%										
						32	30.7	51.2											79.2	162.5											258%	318%										
					4096	0	222.3	249.3	267.0	286.2	399.7	332.3							77.7	229.5	316.2	352.1	392.9	345.2							35%	92%	118%	123%	98%	104%						
						1	171.8	244.1	393.5	683.0	1242.6	1879.9							74.9	225.2	314.8	345.9	398.2	343.0							44%	92%	80%	51%	32%	18%						
						8	52.4	83.3	146.2	271.7	530.4	837.5							111.8	203.2	319.6	342.4	391.6	334.9							213%	244%	219%	126%	74%	40%						
						16	37.7	67.7	121.1	215.4	421.1	677.6							89.1	188.9	316.9	356.8	388.3	332.0							237%	279%	262%	166%	92%	49%						
						32	28.5	48.6	105.3	196.1	342.2	553.3							78.7	159.5	306.6	350.7	371.3								276%	328%	291%	179%	109%	0%						
					65536	0	223.1	248.9	267.0	283.5	400.2	331.6							77.1	223.1	314.8	350.7	393.0								35%	90%	118%	124%	98%	0%						
						1	172.2	244.6	391.2	678.5	1218.4	1876.2							75.7	226.5	312.4	348.3	393.2								44%	93%	80%	51%	32%	0%						
						8	50.3	82.0	148.1	270.3	523.7	830.5							108.0	209.6	321.4	341.5	391.3								215%	256%	217%	126%	75%	0%						
						16	38.9	67.8	123.3	219.9	412.5	667.3							90.6	188.4	314.3	350.4	385.5								233%	278%	255%	159%	93%	0%						
						32	30.0	52.9	106.6	196.0	337.1								71.0	167.0	309.0	351.5	369.3								237%	316%	290%	179%	110%							
				4	128	0	212.5	233.0											75.2	101.9											35%	44%										
						1	82.5	114.9											76.0	101.3											92%	88%										
						8	45.2	68.7											21.3	34.8											47%	51%										
						16	33.8	59.8											18.7	32.1											55%	54%										
						32	27.2	45.1											20.8	36.1											76%	80%										
					4096	0	204.7	234.8	258.1	298.6									76.1	103.4	178.4	310.8									37%	44%	69%	104%								
						1	80.0	118.4	198.3	338.0									75.8	102.2	177.5	305.8									95%	86%	90%	90%								
						8	42.6	68.3	124.8	218.2									23.4	32.8	67.9	144.6									55%	48%	54%	66%								
						16	33.7	60.7	111.4	200.1									21.0	31.3	58.9	118.0									62%	51%	53%	59%								
						32	26.3	45.0	96.8	183.9									19.4	40.4	73.7	95.8									74%	90%	76%	52%								
					65536	0	206.7	237.0	254.0	297.6									75.5	101.7	171.2	307.5									37%	43%	67%	103%								
						1	83.1	114.0	195.9	343.1									75.7	103.8	176.5	310.5									91%	91%	90%	91%								
						8	42.7	69.4	124.2	219.8									22.2	34.0	67.1	142.8									52%	49%	54%	65%								
						16	33.7	59.8	110.0	201.8									21.8	29.0	54.8	115.5									65%	48%	50%	57%								
						32	26.7	44.3	97.2	181.2									17.8	35.0	75.4	96.0									67%	79%	78%	53%								
		cyclic-fuzz		0	128	0	230.8	293.7											156.5	265.5											68%	90%										
						1	206.1	288.0											147.5	260.6											72%	91%										
						8	62.6	95.6											95.4	253.9											152%	266%										
						16	49.9	78.2											55.7	254.9											112%	326%										
						32	37.7	62.1											65.7	240.1											174%	387%										
					4096	0	226.6	258.9	264.2	290.2	401.7	330.0							154.4	256.8	314.0	346.7	390.0	343.0							68%	99%	119%	119%	97%	104%						
						1	195.4	271.3	418.0	715.1	1244.6	1909.7							150.1	253.2	312.7	345.6	390.9	337.2							77%	93%	75%	48%	31%	18%						
						8	65.0	95.3	161.6	283.3	531.6	852.6							97.3	252.3	315.6	350.6	393.8	337.0							150%	265%	195%	124%	74%	40%						
						16	49.5	75.5	130.5	229.8	425.2	682.7							67.4	253.6	314.6	345.0	386.9	338.7							136%	336%	241%	150%	91%	50%						
						32	37.3	60.1	116.9	201.8	346.9	566.9							63.0	235.9	314.6	357.5	377.4	336.4							169%	393%	269%	177%	109%	59%						
					65536	0	228.9	259.4	264.7	289.3	405.7	330.1							149.4	258.9	316.4	351.4	394.1	338.7							65%	100%	120%	121%	97%	103%						
						1	203.0	274.1	413.7	699.8	1269.4	1853.4							150.9	254.5	316.6	349.9	389.0	337.4							74%	93%	77%	50%	31%	18%						
						8	64.8	96.9	161.6	281.7	539.1	850.3							100.6	255.2	316.6	351.4	396.2	338.3							155%	263%	196%	125%	74%	40%						
						16	50.8	77.3	132.3	227.8	418.8	684.9							63.5	248.5	313.8	342.3	388.9	337.4							125%	322%	237%	150%	93%	49%						
						32	38.3	61.1	116.6	206.3	349.9	563.3							62.7	231.9	312.3	353.5	376.3	336.1							164%	379%	268%	171%	108%	60%						
				4	128	0	219.6	238.4											91.9	113.6											42%	48%										
						1	103.7	134.7											92.4	109.3											89%	81%										
						8	46.0	81.8											30.3	39.1											66%	48%										
						16	44.7	68.2											23.1	39.4											52%	58%										
						32	33.0	53.8											23.9	45.5											73%	85%										
					4096	0	212.8	240.3	271.7	298.0									89.5	113.7	190.5	321.6									42%	47%	70%	108%								

						1	99.5	132.1	214.2	348.6										88.3	111.5	190.5	308.3										89%	84%	89%	88%									
						8	53.1	81.1	133.0	228.6										29.4	38.8	73.2	149.5										55%	48%	55%	65%									
						16	44.1	68.8	120.3	207.5										23.0	37.9	62.2	121.6										52%	55%	52%	59%									
						32	32.6	53.3	104.9	188.9										25.8	48.1	76.7	100.9										79%	90%	73%	53%									
					65536	0	214.2	236.2	270.1	296.3										91.1	113.6	192.0	317.0										43%	48%	71%	107%									
						1	102.4	134.7	213.8	356.5										92.0	116.6	188.7	318.9										90%	87%	88%	89%									
						8	49.7	80.9	134.6	230.8										29.5	40.9	74.0	149.5										59%	50%	55%	65%									
						16	45.3	68.8	119.7	203.8										22.0	37.3	63.6	121.5										49%	54%	53%	60%									
						32	32.8	53.8	104.1	187.3										23.7	43.2	82.7	101.4										72%	80%	79%	54%									
			uniform	0	128	0	53.7	88.6	158.2	294.3					478.5	414.2				51.5	82.3	147.1	270.1						2807.7				96%	93%	93%	92%					0%	678%			
						1	46.3	83.1	147.5	275.8						4471.0				53.8	83.9	143.1	271.6						2670.6				116%	101%	97%	98%						60%			
						8	9.1	14.2	24.3	45.0						1141.2				10.2	14.4	23.6	45.3						857.2				112%	102%	97%	101%						75%			
						16	6.6	9.5	16.0	31.7						881.1				7.0	10.6	16.9	29.4						568.5				106%	113%	106%	93%						65%			
						32	5.7	8.7	13.4	24.0						662.7				6.0	10.1	15.9	26.5						449.9				106%	115%	119%	111%						68%			
					4096	0	52.7	86.6	155.3	285.6	563.1		872.9	668.0	468.1	375.2	318.1	311.5	331.5	54.2	86.6	152.1	272.8	500.0		900.5	1550.2	2223.1	2585.9	330.4	288.8	301.5	103%	100%	98%	96%	89%		103%	232%	475%	689%	104%	93%	91%
						1	50.0	82.5	142.4	279.1	527.1		963.8	1819.8	3087.4	4398.2	3845.3	342.6	357.9	50.9	80.7	146.6	275.1	510.3		897.5	1519.2	2244.7	2545.3	321.2	293.2	300.1	102%	98%	103%	99%	97%		93%	83%	73%	58%	8%	86%	84%
						8	8.8	14.0	23.3	45.4	94.1		197.8	386.4	704.6	1098.0	1355.3	1560.4	1567.6	8.6	13.9	23.2	45.8	94.4		184.2	345.7	598.7	818.6	315.4	292.1	301.7	98%	99%	99%	101%	100%		93%	89%	85%	75%	23%	19%	19%
						16	6.5	9.9	16.2	29.2	55.9		126.1	265.9	526.2	871.8	1103.8	1273.9	1266.4	6.3	10.1	15.9	30.3	55.3		119.2	232.4	395.5	586.1	320.5	295.2	301.1	97%	101%	98%	104%	99%		95%	87%	75%	67%	29%	23%	24%
						32	5.9	8.4	13.0	23.4	52.6		88.7	190.8	383.3	661.9	969.2	1059.6	1082.1	6.6	9.5	15.2	26.9	47.5		80.1	158.4	280.9	427.4	316.4	292.5	301.4	113%	114%	117%	115%	90%		90%	83%	73%	65%	33%	28%	28%
					65536	0	51.3	80.9	157.7	295.2	573.8		928.9	636.7	427.4	382.1	310.5	310.2	333.5	49.2	81.2	144.3	272.9	490.0		915.9	1516.9	2250.1	2629.0	334.1	288.9	300.2	96%	100%	91%	92%	85%		99%	238%	526%	688%	108%	93%	90%
						1	51.1	84.9	141.7	272.6	505.0		981.4	1838.8	3049.4	4270.2	4021.3	338.5	357.4	53.1	82.9	147.6	267.2	500.2		914.6	1543.7	2245.2	2666.2	331.2	291.2	300.2	104%	98%	104%	98%	99%		93%	84%	74%	62%	8%	86%	84%
						8	9.2	13.4	23.7	45.5	92.5		195.6	390.2	714.3	1116.5	1315.9	1152.1	1588.7	8.9	14.0	24.9	45.5	89.6		183.3	347.7	586.5	802.4	324.5	289.4	300.4	96%	105%	105%	100%	97%		94%	89%	82%	72%	25%	25%	19%
						16	6.4	9.2	15.5	29.6	57.7		123.0	263.4	527.2	863.4	1144.4	944.4	1258.7	6.3	10.3	17.3	28.5	56.3		117.4	230.5	392.9	568.2	313.0	290.3	300.8	99%	112%	112%	96%	97%		95%	88%	75%	66%	27%	31%	24%
						32	6.4	9.3	14.0	25.9	48.7		93.5	184.5	382.1	657.0	951.2	1063.2	1077.7	6.1	8.6	15.2	25.8	48.2		83.2	160.4	278.6	422.8	303.4	290.2	300.5	95%	92%	109%	100%	99%		89%	87%	73%	64%	32%	27%	28%
				4	128	0	48.0	89.1	149.0	290.4				614.8	470.5	344.5				49.5	83.0	152.0	272.7				574.8	1010.8	1314.9				103%	93%	102%	94%				93%	215%	382%			
						1	49.4	87.2	143.5	268.6				581.2	1007.8	1022.6				52.5	83.1	151.9	265.2				578.2	1016.4	1340.5				106%	95%	106%	99%				99%	101%	131%			
						8	8.8	12.9	24.6	46.2				281.2	550.5	860.9				9.1	13.6	23.5	45.4				147.5	295.5	392.2				104%	105%	95%	98%				52%	54%	46%			
						16	6.1	9.4	15.9	31.4				202.4	439.0	723.6				6.7	10.0	16.6	28.7				103.4	211.7	292.1				110%	105%	105%	91%				51%	48%	40%			
						32	5.5	7.7	14.2	24.8				146.4	316.6	537.2				5.9	9.3	16.0	26.2				90.3	158.1	225.3				107%	121%	112%	106%				62%	50%	42%			
					4096	0	53.2	89.1	150.1	291.1	581.8		910.9	660.2	472.7	357.3	345.2	338.9		52.0	82.9	144.1	276.0	499.0		912.7	1552.4	1432.5	1337.7	1685.6	1496.3		98%	93%	96%	95%	86%		100%	235%	303%	374%	488%	442%	
						1	48.5	84.1	144.3	271.6	513.4		1003.3	1809.7	1712.1	841.7	455.1	374.6		52.0	80.1	151.2	274.5	506.2		907.0	1520.3	1381.6	1343.9	1635.0	1597.2		107%	95%	105%	101%	99%		90%	84%	81%	160%	359%	426%	
						8	8.5	13.4	24.2	45.5	94.6		194.7	390.0	610.1	859.7	1120.6	1221.7		8.7	13.5	24.2	45.4	92.0		182.3	347.1	488.8	393.5	478.5	598.6		102%	101%	100%	100%	97%		94%	89%	80%	46%	43%	49%	
						16	7.1	9.0	15.4	29.5	60.7		125.6	267.8	504.1	732.1	994.8	1095.7		6.8	10.3	16.1	28.8	56.9		116.9	229.2	329.7	292.8	288.8	326.1		96%	114%	105%	98%	94%		93%	86%	65%	40%	29%	30%	
						32	5.1	9.2	15.2	25.4	44.5		97.6	186.4	361.5	540.7	769.7	918.3		6.1	8.7	13.4	26.0	48.2		92.3	159.0	197.7	227.2	278.0	295.9		120%	95%	89%	102%	108%		95%	85%	55%	42%	36%	32%	
					65536	0	49.2	85.9	154.5	291.7	574.0		934.4	633.7	432.0	366.1	318.8	336.3		51.8	84.8	151.7	272.8	500.1		897.6	1537.7	1426.8	1339.8	1585.4	1440.9		105%	99%	98%	94%	87%		96%	243%	330%	366%	497%	428%	
						1	47.0	84.0	149.0	271.9	523.1		991.8	1845.0	2366.1	972.2	384.2	410.4		54.2	85.9	144.1	271.9	505.4		918.7	1534.6	1859.3	1344.4	1738.0	1427.0		115%	102%	97%	100%	97%		93%	83%	79%	138%	452%	348%	
						8	9.6	14.0	23.6	44.2	92.0		193.5	393.0	608.5	872.6	1099.4	1232.8		8.8	12.7	25.3	46.7	91.9		184.3	349.5	398.6	398.3	486.3	572.3		91%	91%	107%	106%	100%		95%	89%	66%	46%	44%	46%	
						16	6.7	9.7	16.0	29.8	58.0		125.0	269.0	475.6	732.2	891.3	1080.7		6.8	9.8	16.0	29.9	57.1		118.8	232.7	327.1	288.2	289.4	321.2		102%	101%	100%	100%	98%		95%	86%	69%	39%	32%	30%	
						32	5.4	8.6	13.6	24.0	49.1		86.9	189.3	343.8	547.0	811.4	915.1		6.4	9.6	14.2	25.9	50.0		82.1	154.8	234.7	228.5	278.2	295.8		119%	112%	104%	108%	102%		95%	82%	68%	42%	34%	32%	
xeon	cached	1000000	cyclic	0	128	0		8.8																										0%											
						1		8.9													8.8													99%											
						8		9.0													8.9													98%											
						16		9.0													9.1													102%											
						32		9.0													8.7													97%											
					4096	0	4.6	8.3	14.9	27.8	53.0	97.8								4.6	7.9	15.1	28.4	53.6	93.1								100%	96%	101%	102%	101%	95%							
						1	4.6	8.1	14.9	29.0	56.2	88.8								4.3	8.2	14.8	28.5	53.8	99.2								94%	101%	99%	98%	96%	112%							
						8	4.9	8.4	15.4	28.0	56.3	93.0								4.7	8.3	15.5	29.2	55.1	97.2								97%	99%	101%	104%	98%	105%							
						16	4.8	8.4	15.4	28.8	55.8	87.7								4.5	8.1	15.5	28.7	56.5	103.2								94%	96%	101%	100%	101%	118%							
						32	4.8	8.1	17.6	29.0	53.3	98.7								4.8	8.4	15.7	29.7	54.8	100.0								100%	103%	89%	103%	103%	101%							
					65536	0	4.6	8.1	14.9	27.6	53.6	95.0								4.6	8.0	15.0	28.7	54.5	100.7								100%	99%	101%	104%	102%	106%							
						1	4.8	9.0	15.5	28.8	55.4	104.1								4.6	8.2	14.6	28.3	53.9	95.7								95%	91%	94%	98%	97%	92%							
						8	4.7	8.4	15.4	29.0	55.5	101.8								4.7	8.1	15.2	28.8	55.0	97.8								98%	97%	99%	99%	99%	96%							
						16	4.8	8.4	15.4	28.9	59.9	99.2								4.8	8.3	15.6	29.2	56.3	99.5								100%	99%	101%	101%	94%	100%							
						32	4.8	8.8	15.3	28.2	55.7	98.9								4.7	8.2	15.6	29.0	56.7	99.3								99%	94%	102%	103%	102%	100%							
				4	128	0	7.6	11.6												7.1	9.0												94%	78%											
						1	8.2	11.8												7.0	9.3												84%	79%											
						8	8.2	11.9												7.0	9.0												85%	75%											
						16	8.3	12.2												6.7	8.7												81%	71%											
						32	8.2	11.9												6.6	9.1												80%	77%											
					4096	0	8.0	11.2	17.9	30.3										7.1	9.0	13.6	24.3										89%	80%	76%	80%									
						1	8.3	11.7	18.2	31.8										6.9	9.2	13.8	23.9										83%	79%	76%	75%									
						8	8.6	12.0	19.0	33.2										6.8	8.7	13.7	24.6										79%	72%	72%	74%									
						16	8.4	11.7	18.6	32.4										6.9	9.7	14.2	24.8										82%	83%	76%	77%									
						32	8.1	12.3	18.9	32.8										6.8	9.0	13.6	23.7										84%	73%	72%	72%									
					65536	0	8.0	11.0	18.6	30.9										7.0	8.8	13.5	24.7										87%	80%	73%	80%									
						1	8.4	12.3	19.0	32.5										7.1	9.4	14.0	24.1										84%	76%	74%	74%									
						8	8.5	11.9	20.1	32.5										7.1	9.1	13.8	24.1										84%	76%	68%	74%									
						16	8.9	11.9	19.4	32.5										6.9	9.2	14.1	25.2										78%	77%	73%	78%									
						32	8.3	12.1	18.9	32.3										6.8	9.4	14.1	24.9										82%	77%	74%	77%									
			cyclic-fuzz	0	128	0															9.3																								
					4096	0	5.3	9.4	15.6	28.9	52.0	103.8								5.3	8.8	15.9	28.5	58.2	95.5								101%	94%	102%	99%	112%	92%							
						1	5.5	9.1	16.3	29.8	57.2	95.9								5.3	9.1	16.1	31.1	55.5	101.3								97%	100%	99%	104%	97%	106%							
						8	5.5	9.2	16.1	28.9	57.3	100.1								5.1	9.1	15.8	28.8	56.5	95.1								94%	98%	98%	100%	99%	95%							
						16	5.5	9.3	16.3	30.1	54.3	100.9								5.4	9.1	16.2	29.6	57.4	100.9								98%	97%	100%	98%	106%	100%							
						32	5.5	9.2	16.1	29.8	56.6	104.9								5.5	9.3	16.6	30.5	57.4	96.2								99%	100%	103%	102%	101%	92%							
					65536	0	5.2	8.8	15.0	28.5	54.1	96.8								5.3	8.8	15.6	29.1	52.5	89.2								103%	100%	104%	102%	97%	92%							
						1	5.5	9.2	16.2	29.8	54.2	99.7								5.3	9.6	16.0	28.6	54.9	102.1								95%	104%	99%	96%	101%	102%							
						8	5.5	9.0	16.0	29.9	56.1	105.5								5.3	9.0	16.1	29.6	56.7	99.7								95%	100%	101%	99%	101%	95%							

						16	5.5	9.0	16.0	29.9	56.6	105.3									5.2	9.0	16.2	30.3	57.6	101.4							95%	100%	101%	101%	102%	96%							
						32	5.5	8.7	16.1	29.9	56.7	95.0									5.5	9.0	16.2	30.3	57.5	101.3							99%	103%	101%	101%	102%	107%							
				4	128	0	8.9	11.7													7.3	9.3											82%	79%											
						1	9.4	13.1													7.5	9.5											79%	73%											
						8	8.5	12.2													7.1	9.1											83%	75%											
						16	9.3	12.9													7.2	9.6											77%	74%											
						32	8.9	12.3													7.3	9.3											81%	76%											
					4096	0	8.9	12.2	18.3	31.5											7.8	9.6	14.3	24.5									87%	79%	78%	78%									
						1	8.6	12.3	19.4	33.5											7.2	9.9	14.4	24.9									84%	81%	74%	74%									
						8	8.9	12.9	19.4	33.6											7.6	9.4	14.4	25.3									85%	73%	74%	75%									
						16	9.2	12.8	19.6	32.7											7.5	9.6	14.5	25.8									82%	75%	74%	79%									
						32	9.2	12.5	19.9	33.1											7.2	9.3	14.5	24.9									78%	74%	73%	75%									
					65536	0	9.0	12.0	18.9	31.0											7.5	9.6	14.4	25.1									83%	80%	76%	81%									
						1	9.2	12.9	19.4	33.6											7.4	9.5	14.1	25.2									81%	74%	72%	75%									
						8	9.6	13.1	19.8	33.6											7.4	9.6	14.7	25.2									76%	73%	74%	75%									
						16	9.1	12.6	19.6	33.1											7.3	9.4	14.2	24.8									80%	74%	72%	75%									
						32	9.6	12.8	19.5	33.2											7.4	9.3	14.3	25.5									77%	73%	73%	77%									
			uniform	0	128	0	0.5	0.7	1.2	2.3											0.5	0.8	1.3	2.5									104%	118%	112%	109%									
						1	0.5	0.7	1.3	2.5											0.5	0.8	1.3	2.5									110%	105%	102%	99%									
						8	0.5	0.8	1.4	2.4					126.0						0.5	0.8	1.5	2.5					126.2				113%	107%	108%	107%						100%			
						16	0.5	1.0	1.3	2.5											0.5	0.9	1.4	2.5									104%	95%	108%	103%									
						32	0.5	0.8	1.3	2.4											0.6	0.9	1.4	2.9									130%	116%	111%	117%									
					4096	0	0.4	0.7	1.2	2.2	4.3		8.0	15.2	27.9	57.5	80.3	108.0	146.4		0.5	0.9	1.4	2.4	4.7		9.0	16.8	35.9	60.4	86.5	116.3	157.0	107%	122%	117%	108%	108%		112%	110%	129%	105%	108%	108%	107%
						1	0.5	0.7	1.2	2.8	4.6		8.9	16.6	31.5	60.3	87.5	116.2	163.3		0.5	0.8	1.2	2.3	4.6		8.8	16.7	32.3	59.3	83.9	111.6	156.2	106%	101%	98%	83%	100%		99%	101%	102%	98%	96%	96%	96%
						8	0.4	0.7	1.2	2.6	4.5		8.8	16.8	34.1	56.4	85.4	110.9	145.7		0.5	0.7	1.4	2.5	5.1		9.2	17.4	33.4	63.4	90.2	108.5	142.3	118%	102%	119%	96%	113%		104%	104%	98%	112%	106%	98%	98%
						16	0.5	0.8	1.3	2.3	4.7		8.8	16.9	33.2	62.1	86.1	114.4	161.3		0.5	0.8	1.3	2.6	4.9		9.3	18.0	33.9	61.7	84.7	117.1	154.9	111%	104%	103%	111%	106%		106%	107%	102%	99%	98%	102%	96%
						32	0.4	0.8	1.2	2.4	4.5		10.4	16.8	32.4	59.9	83.9	119.5	163.3		0.6	0.9	1.4	2.6	5.1		9.6	18.2	32.8	62.5	85.6	117.8	156.6	137%	111%	116%	109%	113%		92%	108%	101%	104%	102%	99%	96%
					65536	0	0.4	0.7	1.2	2.2	4.2		8.0	15.2	31.4	55.0	78.7	111.3	144.9		0.5	0.8	1.4	2.4	4.7		8.9	16.5	30.0	57.1	83.6	115.0	154.1	120%	113%	121%	106%	112%		111%	108%	95%	104%	106%	103%	106%
						1	0.5	0.8	1.3	2.5	4.7		8.7	16.7	33.7	59.4	87.2	116.9	151.7		0.5	0.7	1.5	2.4	4.6		8.9	16.9	31.1	59.0	80.4	109.4	139.2	109%	96%	114%	98%	98%		102%	102%	92%	99%	92%	94%	92%
						8	0.6	0.7	1.2	2.4	5.0		8.7	16.7	31.9	60.8	88.7	119.7	153.2		0.6	0.8	1.3	2.5	4.6		9.0	17.5	33.1	60.9	85.7	114.4	159.7	103%	112%	109%	105%	93%		104%	104%	104%	100%	97%	96%	104%
						16	0.4	0.7	1.3	2.4	4.6		8.8	16.8	31.8	61.8	88.2	119.8	163.9		0.5	0.9	1.4	2.6	4.9		9.4	18.0	35.5	60.0	88.4	115.7	155.7	120%	117%	108%	111%	108%		107%	107%	112%	97%	100%	97%	95%
						32	0.5	0.8	1.4	2.4	5.5		8.9	16.8	32.4	59.0	86.1	120.7	163.4		0.6	0.9	1.4	2.6	5.1		10.1	18.0	33.5	61.3	86.8	116.9	154.7	127%	102%	104%	109%	92%		114%	107%	103%	104%	101%	97%	95%
				4	128	0	0.5	0.7	1.2	2.2					48.8	72.6					0.6	0.7	1.4	2.3					37.7	50.4				116%	103%	116%	104%					77%	69%			
						1	0.6	1.0	1.3	2.5					53.9	82.5					0.4	0.8	1.3	2.4					37.0	50.3				72%	79%	102%	98%					69%	61%			
						8	0.5	0.8	1.2	2.5					53.3	82.6					0.5	0.8	1.3	2.5					37.9	50.7				114%	103%	105%	98%					71%	61%			
						16	0.5	0.8	1.3	2.4					57.1	83.6					0.5	0.9	1.3	2.6					37.9	51.8				106%	106%	103%	108%					66%	62%			
						32	0.5	0.8	1.2	2.4					55.1	81.9					0.6	0.9	1.4	2.6					38.0	54.1				115%	112%	117%	107%					69%	66%			
					4096	0	0.4	0.7	1.2	2.1	4.2		8.1	15.0	45.9	71.7	94.5	115.0			0.5	0.8	1.4	2.5	4.5		8.9	16.8	34.1	53.5	66.3	80.2		111%	113%	120%	116%	108%		109%	112%	74%	75%	70%	70%	
						1	0.5	0.7	1.2	2.4	4.5		8.8	16.6	47.3	75.9	99.8	121.0			0.5	0.8	1.3	2.4	4.6		8.9	16.6	34.3	53.3	67.4	80.1		103%	108%	106%	101%	102%		101%	100%	72%	70%	68%	66%	
						8	0.5	0.7	1.2	2.3	4.5		8.8	16.9	46.6	75.3	101.7	121.4			0.5	0.8	1.4	2.4	4.8		9.3	17.2	34.0	53.6	67.4	80.4		97%	111%	116%	104%	107%		106%	102%	73%	71%	66%	66%	
						16	0.5	0.7	1.3	2.7	4.5		8.8	16.8	46.9	78.8	102.0	121.0			0.6	0.8	1.5	2.6	4.9		9.2	17.7	34.3	53.2	67.9	80.7		120%	108%	113%	95%	108%		105%	105%	73%	67%	67%	67%	
						32	0.5	0.8	1.3	2.3	4.5		8.7	18.0	48.1	77.8	100.4	121.0			0.6	0.9	1.5	2.7	5.0		9.4	18.4	33.5	54.6	67.5	79.5		123%	119%	113%	116%	110%		108%	102%	70%	70%	67%	66%	
					65536	0	0.5	0.8	1.2	2.2	4.3		8.1	15.1	44.6	75.4	96.9	112.8			0.5	0.8	1.3	2.5	4.9		9.2	16.6	34.6	54.0	70.5	80.0		116%	106%	107%	110%	112%		113%	110%	78%	72%	73%	71%	
						1	0.5	0.8	1.2	2.4	4.5		8.9	16.5	46.9	75.8	99.8	120.7			0.5	0.8	1.3	2.4	4.9		8.9	16.4	34.4	54.1	66.4	78.5		102%	105%	106%	102%	107%		100%	99%	73%	71%	67%	65%	
						8	0.5	0.8	1.3	2.5	4.6		8.8	17.0	47.9	75.6	101.8	119.5			0.5	0.9	1.3	2.5	4.8		9.2	17.1	34.3	53.8	67.6	80.2		100%	114%	104%	97%	104%		105%	101%	72%	71%	66%	67%	
						16	0.5	0.7	1.4	2.5	4.8		8.8	16.9	46.4	78.7	102.1	121.4			0.5	0.9	1.4	2.6	5.0		9.3	17.8	33.9	54.5	67.3	80.1		101%	125%	105%	105%	104%		106%	105%	73%	69%	66%	66%	
						32	0.5	0.7	1.4	2.4	4.8		9.4	16.8	48.0	77.8	100.3	121.5			0.6	0.9	1.5	2.8	5.1		9.6	18.4	33.9	55.2	67.6	80.0		113%	125%	111%	117%	108%		102%	110%	71%	71%	67%	66%	
cached-os	1000000	cyclic		0	128	0		24.7																											0%											
						1		25.5														22.5													88%											
						8		26.2														22.3													85%											
						16		26.0														23.4													90%											
						32		25.8														22.6													88%											
					4096	0	14.6	26.1	40.0	71.8	134.4	210.6									13.3	21.7	36.1	64.5	123.7	194.4							91%	83%	90%	90%	92%	92%							
						1	15.2	24.8	41.5	76.1	143.4	229.4									12.7	22.5	37.5	67.5	120.7	190.7							83%	91%	90%	89%	84%	83%							
						8	16.7	25.1	41.7	76.2	147.6	236.5									13.5	22.0	37.1	65.5	126.0	201.7							81%	87%	89%	86%	85%	85%							
						16	15.7	25.4	41.8	76.7	145.7	234.3									13.7	22.2	38.4	66.5	126.1	192.5							87%	87%	92%	87%	87%	82%							
						32	15.7	26.1	44.6	76.5	148.7	232.5									13.8	22.1	37.5	65.3	123.4	193.3							88%	85%	84%	85%	83%	83%							
					65536	0	14.8	24.4	41.0	72.1	135.1	212.5									13.3	21.7	36.2	64.4	120.1	191.4							90%	89%	88%	89%	89%	90%							
						1	15.4	24.4	42.3	76.2	147.9	231.7									13.3	21.8	37.3	67.5	121.8	195.1							86%	89%	88%	89%	82%	84%							
						8	15.3	25.0	41.5	77.7	144.5	232.9									13.6	22.6	36.6	65.2	121.6	196.1							89%	90%	88%	84%	84%	84%							
						16	15.6	24.7	41.9	75.8	152.3	231.3									13.9	21.9	37.7	65.3	122.1	193.1							89%	89%	90%	86%	80%	83%							
						32	15.4	25.3	41.9	76.6	147.7	234.7									13.6	21.4	36.1	66.2	123.3	192.5							89%	85%	86%	86%	83%	82%							
				4	128	0	11.1	14.7													10.5	14.2											95%	97%											
						1	11.0	14.6													10.7	14.5											97%	99%											
						8	11.3	15.2													10.0	12.7											88%	84%											
						16	11.2	14.9													9.7	12.6											87%	85%											
						32	11.1	15.0													9.8	13.7											89%	91%											
					4096	0	10.8	14.2	22.3	38.6											11.1	14.7	21.6	38.9									103%	103%	97%	101%									
						1	11.1	15.6	23.4	38.4											10.9	15.1	22.7	37.1									98%	96%	97%	97%									
						8	11.5	15.2	23.9	40.3											10.0	12.6	19.5	34.5									87%	83%	82%	86%									
						16	11.6	15.5	22.9	40.6											10.1	13.9	21.9	36.3									87%	90%	96%	89%									
						32	11.3	14.9	23.4	40.8											10.6	13.2	20.5	34.3									93%	89%	88%	84%									
					65536	0	11.0	14.5	22.8	39.8											11.2	14.2	22.2	38.0									102%	98%	97%	95%									
						1	11.6	15.8	24.7	42.3											11.2	15.2	22.6	38.2									97%	96%	92%	90%									
						8	11.7	15.8	25.0	40.1											10.1	13.9	21.2	35.3									86%	88%	85%	88%									
						16	11.3	15.6	24.7	41.4											10.5	13.9	21.4	35.7									93%	89%	87%	86%									
						32	11.2	16.0	24.3	41.0											10.2	14.0	21.6	36.1									91%	88%	89%	88%									
			cyclic-fuzz	0	128	0																23.8																							

				4096	0	17.5	26.2	43.1	74.3	138.3	216.3								16.3	25.2	41.5	70.5	124.6	194.0								93%	96%	96%	95%	90%	90%							
					1	19.0	28.9	45.9	79.6	145.9	231.5								16.4	25.1	41.2	68.5	124.1	191.6								87%	87%	90%	86%	85%	83%							
					8	18.9	29.4	45.5	79.6	147.6	234.5								16.0	25.0	42.2	71.0	124.2	195.7								85%	85%	93%	89%	84%	83%							
					16	18.6	29.1	45.3	78.5	147.1	232.0								16.3	25.3	40.4	69.3	128.9	195.3								87%	87%	89%	88%	88%	84%							
					32	18.9	28.4	46.3	80.6	148.8	231.6								16.5	25.5	40.8	70.2	128.7	199.5								87%	90%	88%	87%	86%	86%							
				65536	0	17.3	26.3	43.9	76.2	137.9	214.6								16.3	25.0	39.8	68.1	123.9	191.3								94%	95%	91%	89%	90%	89%							
					1	18.6	29.2	47.5	80.7	146.9	230.1								16.3	25.0	41.3	67.9	123.1	190.2								88%	86%	87%	84%	84%	83%							
					8	18.3	27.5	46.6	79.4	146.4	233.2								16.0	24.2	40.0	67.7	124.2	193.2								87%	88%	86%	85%	85%	83%							
					16	19.4	27.7	44.3	78.1	147.1	238.7								16.0	24.0	38.0	66.8	124.7	194.1								83%	87%	86%	85%	85%	81%							
					32	18.6	27.2	44.4	80.1	146.7	232.6								15.9	23.7	38.1	67.4	125.6	194.8								85%	87%	86%	84%	86%	84%							
			4	128	0	11.5	15.3												11.6	15.0												101%	99%											
					1	12.5	16.8												11.1	15.5												89%	92%											
					8	12.3	15.7												10.4	13.6												85%	86%											
					16	12.4	15.8												10.7	13.8												86%	87%											
					32	12.3	16.2												10.9	14.3												89%	88%											
				4096	0	12.6	15.8	23.9	40.1										12.1	15.8	23.9	39.6										96%	100%	100%	99%									
					1	12.2	15.8	25.0	41.9										12.1	15.8	23.9	40.9										99%	100%	95%	98%									
					8	12.7	16.6	24.1	41.2										11.1	14.1	21.2	35.0										87%	85%	88%	85%									
					16	12.2	15.3	23.8	41.8										11.1	14.4	21.9	36.4										91%	94%	92%	87%									
					32	12.9	16.9	25.6	41.0										11.1	13.8	20.9	35.4										86%	82%	82%	87%									
				65536	0	11.8	15.7	24.9	40.4										12.0	15.8	23.9	39.2										102%	100%	96%	97%									
					1	12.7	16.2	25.1	40.8										11.4	15.4	22.5	41.0										90%	95%	89%	101%									
					8	12.6	16.9	24.8	42.7										10.7	14.3	22.0	35.8										85%	85%	88%	84%									
					16	13.0	16.8	25.2	41.6										11.2	14.4	21.2	35.6										86%	85%	84%	86%									
					32	13.2	17.0	24.9	42.2										11.3	14.0	21.4	35.6										85%	82%	86%	84%									
		uniform	0	128	0	3.0	5.2	8.9	16.9										3.1	5.9	9.8	17.4										104%	112%	110%	103%									
					1	3.0	5.4	9.4	18.2										3.4	5.5	9.9	17.7										112%	102%	105%	97%									
					8	3.1	5.8	9.8	17.1						307.1				3.3	5.5	9.6	17.8						275.1				108%	95%	98%	104%						90%			
					16	3.2	5.9	9.6	18.1										3.3	5.7	9.4	16.9										104%	97%	98%	93%									
					32	3.3	5.4	9.7	18.5										3.4	5.7	10.1	19.2										102%	106%	104%	104%									
				4096	0	2.8	5.0	8.9	16.4	29.6		52.3	94.5	156.2	240.2	310.4	364.2	369.7	3.1	5.4	9.5	17.3	30.8		54.8	91.1	150.0	221.6	275.4	302.7	319.5	111%	108%	107%	106%	104%		105%	96%	96%	92%	89%	83%	86%
					1	3.1	5.1	9.0	16.9	30.1		55.6	96.6	169.0	261.8	341.4	377.0	405.2	3.1	5.1	8.8	16.6	30.0		53.7	92.5	149.6	228.7	277.3	300.4	318.6	99%	101%	98%	98%	100%		97%	96%	88%	87%	81%	80%	79%
					8	3.0	5.3	8.9	16.6	29.3		54.5	97.9	168.8	256.1	333.6	374.1	394.0	3.2	5.0	9.6	17.1	30.3		53.3	95.5	158.1	239.6	282.1	305.7	331.0	107%	96%	108%	103%	103%		98%	98%	94%	94%	85%	82%	84%
					16	3.3	5.2	9.1	16.7	30.1		53.9	97.1	169.1	263.4	347.9	386.2	401.3	3.1	5.4	9.3	16.7	30.9		53.2	96.5	155.2	227.7	280.9	306.1	327.2	93%	104%	102%	100%	103%		99%	99%	92%	86%	81%	79%	82%
					32	3.0	5.4	9.2	17.4	29.7		58.2	99.5	174.7	263.8	350.6	377.9	404.2	3.4	5.6	8.8	16.4	30.4		53.2	94.9	155.1	234.4	280.1	306.2	327.8	112%	103%	96%	94%	102%		91%	95%	89%	89%	80%	81%	81%
				65536	0	3.0	5.1	9.0	16.7	28.2		50.9	90.9	152.7	237.6	315.2	339.4	365.1	3.1	5.1	9.2	17.1	30.8		57.3	92.7	153.2	221.8	285.8	301.4	332.3	103%	100%	102%	102%	109%		113%	102%	100%	93%	91%	89%	91%
					1	3.3	5.7	9.1	17.7	31.9		54.3	96.6	166.2	268.4	336.9	383.2	407.5	3.0	5.3	10.2	17.1	30.1		56.1	93.3	150.7	230.0	286.8	320.3	338.4	90%	94%	112%	97%	95%		103%	97%	91%	86%	85%	84%	83%
					8	3.3	5.1	9.2	17.4	31.4		55.8	99.8	173.7	263.9	351.2	377.4	407.5	3.4	5.5	9.4	16.8	29.1		52.6	97.4	159.0	227.7	286.3	299.7	322.8	100%	107%	102%	97%	93%		94%	98%	92%	86%	82%	79%	79%
					16	3.1	5.5	9.1	16.4	29.9		54.5	98.2	179.7	265.3	340.3	378.1	400.2	3.2	5.5	9.4	18.0	31.6		53.7	93.0	155.3	223.9	281.3	311.0	323.8	105%	101%	103%	109%	105%		98%	95%	86%	84%	83%	82%	81%
					32	3.1	5.8	10.0	17.7	31.9		55.0	100.1	169.3	262.7	341.5	385.6	403.1	3.4	5.3	9.4	16.9	30.3		53.8	93.5	162.1	233.2	288.0	305.4	322.0	109%	91%	94%	96%	95%		98%	93%	96%	89%	84%	79%	80%
			4	128	0	3.1	5.1	8.7	15.9					73.9	97.5				3.3	5.2	9.5	16.5					76.8	100.0				105%	104%	108%	104%					104%	103%			
					1	3.4	5.9	9.4	18.3					79.0	105.6				3.0	5.3	9.6	16.5					76.8	100.9				89%	91%	102%	90%					97%	95%			
					8	3.1	5.5	9.0	17.5					79.1	107.3				3.2	5.5	9.3	16.6					77.8	102.0				103%	100%	103%	95%					98%	95%			
					16	3.3	5.5	9.6	17.1					80.8	108.3				3.2	5.7	9.0	16.8					77.7	104.0				97%	104%	94%	98%					96%	96%			
					32	3.3	5.4	9.2	17.0					79.8	105.9				3.4	5.4	9.8	17.2					77.7	108.7				103%	100%	106%	101%					97%	103%			
				4096	0	3.1	4.8	8.5	15.8	28.9		54.9	92.5	72.8	103.0	133.3	150.4		3.2	5.3	9.5	17.2	30.6		54.6	92.7	74.9	102.5	134.6	151.7		102%	111%	112%	109%	106%		99%	100%	103%	100%	101%	101%	
					1	3.3	5.2	8.8	16.7	29.6		54.0	96.7	75.8	107.2	137.4	157.2		3.2	5.2	9.1	16.9	30.1		53.1	91.0	74.3	103.0	135.1	151.5		95%	99%	104%	101%	102%		98%	94%	98%	96%	98%	96%	
					8	3.2	5.2	8.4	15.8	30.0		54.2	98.6	77.6	106.6	140.2	158.4		3.3	5.1	9.2	16.0	30.9		53.6	94.8	74.3	104.4	133.1	139.2		103%	97%	109%	101%	103%		99%	96%	96%	98%	95%	88%	
					16	3.3	5.6	9.8	17.9	30.4		54.9	100.6	76.3	107.8	141.2	160.8		3.3	5.3	9.3	17.1	30.6		54.7	96.7	76.2	108.2	132.6	138.3		100%	95%	95%	96%	101%		100%	96%	100%	100%	94%	86%	
					32	3.1	5.2	9.6	16.5	30.1		54.4	101.1	77.6	108.5	142.4	161.2		3.4	5.4	9.9	17.5	30.4		52.9	95.3	73.9	107.0	131.4	126.6		107%	104%	103%	106%	101%		97%	94%	95%	99%	92%	79%	
				65536	0	2.9	5.1	9.2	16.9	29.2		52.4	88.8	72.1	106.2	133.0	149.0		3.2	5.6	9.7	17.7	32.3		56.1	93.7	74.7	105.9	135.0	152.7		108%	111%	106%	105%	111%		107%	105%	104%	100%	101%	102%	
					1	3.2	5.7	9.6	18.1	30.8		57.8	98.1	76.7	107.2	137.8	157.4		3.2	5.6	9.8	17.2	32.8		55.4	90.6	74.5	104.4	134.0	150.6		100%	100%	102%	95%	106%		96%	92%	97%	97%	97%	96%	
					8	3.4	5.4	10.0	18.2	31.5		54.7	98.3	77.7	110.4	143.4	160.4		3.3	5.6	9.8	17.6	30.4		56.8	95.9	76.9	104.8	133.2	132.1		97%	103%	98%	97%	97%		104%	98%	99%	95%	93%	82%	
					16	3.4	5.7	9.7	18.2	31.8		54.5	98.7	78.8	108.4	140.3	160.5		3.3	6.0	9.5	17.7	32.0		54.7	94.4	75.7	104.1	133.5	132.7		97%	105%	97%	97%	101%		100%	96%	96%	96%	95%	83%	
					32	3.3	6.0	10.2	17.5	32.6		59.7	98.0	77.1	110.6	139.3	161.6		3.2	5.9	10.3	19.0	32.7		55.9	95.7	75.3	106.1	134.0	129.6		98%	99%	101%	109%	100%		94%	98%	98%	96%	96%	80%	
uncached	1000000	cyclic	0	128	0		73.8																										0%											
					1		136.6													56.5													41%											
					8		39.8													59.2													149%											
					16		33.2													49.9													150%											
					32		34.0													51.6													152%											
				4096	0	52.7	73.5	91.1	130.4	211.3	307.6								36.0	55.9	84.8	126.6	203.0	297.2								68%	76%	93%	97%	96%	97%							
					1	88.2	134.7	231.2	424.3	794.5	1260.3								34.9	56.9	86.7	131.4	203.9	300.7								40%	42%	38%	31%	26%	24%							
					8	26.1	38.0	63.4	108.9	203.8	315.8								30.9	53.8	84.2	124.3	200.9	295.5								119%	142%	133%	114%	99%	94%							
					16	19.8	33.1	54.7	98.7	184.8	297.8								32.8	49.1	80.1	119.7	199.7	292.0								166%	148%	147%	121%	108%	98%							
					32	20.3	33.9	56.4	97.8	191.0	298.3								30.1	50.6	79.5	116.7	194.5	289.6								149%	149%	141%	119%	102%	97%							
				65536	0	52.6	73.0	91.1	131.4	209.4	310.0								35.7	55.7	84.7	126.7	203.4	300.5								68%	76%	93%	96%	97%	97%							
					1	89.3	136.0	229.9	419.4	789.1	1267.3								36.4	56.1	87.3	128.6	206.8	302.6								41%	41%	38%	31%	26%	24%							
					8	27.0	38.8	63.0	108.9	201.2	321.3								32.1	56.7	85.2	125.6	200.7	298.6								119%	146%	135%	115%	100%	93%							
					16	19.2	32.1	54.8	96.3	181.8	304.9								32.7	50.8	78.4	117.0	195.9	290.3								170%	158%	143%	121%	108%	95%							
					32	19.6	33.3	55.3	99.7	180.6	291.2								29.1	50.2	79.4	117.7	196.5	289.5								149%	151%	144%	118%	109%	99%							
			4	128	0	48.9	60.4												48.3	64.6												99%	107%											
					1	42.4	56.4												48.0	64.1												113%	114%											
					8	25.0	32.9												13.8	17.9												55%	55%											
					16	18.4	27.1												12.7	16.4												69%	61%											
					32	15.2	21.4												12.7	18.1												84%	84%											
				4096	0	47.7	60.8	80.6	124.9										49.8	64.1	108.7	142.0										105%	105%	135%	114%									
					1	42.4	55.8	86.3	146.2										48.4	65.9	100.0	154.1										114%	118%	116%	105%									
					8	25.0	32.8	53.2	90.3										13.4	17.2	27.4	48.0										54%	52%	52%	53%									

					16	18.5	26.9	42.1	72.3										12.5	17.0	24.9	41.6										67%	63%	59%	58%											
					32	15.3	21.2	34.5	58.3										12.6	18.2	26.1	40.6										82%	86%	76%	70%											
				65536	0	47.6	59.7	79.8	123.9										50.2	63.7	101.6	154.7										105%	107%	127%	125%											
					1	43.5	56.8	87.2	145.3										47.8	65.7	107.9	155.2										110%	116%	124%	107%											
					8	25.8	32.9	53.7	91.4										13.3	18.0	28.5	47.9										51%	55%	53%	52%											
					16	19.0	25.6	42.0	72.8										12.9	17.3	26.1	39.4										68%	68%	62%	54%											
					32	14.8	21.5	34.6	58.6										12.6	18.8	26.6	41.0										85%	87%	77%	70%											
		cyclic-fuzz	0	128	0															59.1																										
				4096	0	67.0	74.1	93.4	132.0	212.2	313.5								42.5	64.6	93.6	132.4	205.5	303.9								63%	87%	100%	100%	97%	97%									
					1	108.9	159.6	262.7	459.4	846.0	1313.8								42.3	61.5	91.2	131.1	207.5	300.0								39%	39%	35%	29%	25%	23%									
					8	29.7	42.9	67.5	113.1	206.4	319.1								35.8	58.7	88.1	131.7	205.0	306.9								120%	137%	130%	116%	99%	96%									
					16	24.4	37.1	59.4	98.8	182.0	301.2								36.5	56.7	80.1	120.5	196.9	292.3								150%	153%	135%	122%	108%	97%									
					32	24.1	36.8	57.5	104.7	185.5	287.9								32.5	57.6	79.3	120.3	198.0	291.6								135%	157%	138%	115%	107%	101%									
				65536	0	66.5	73.7	94.5	133.8	212.1	310.6								42.3	61.6	93.1	131.3	205.8	302.4								64%	84%	99%	98%	97%	97%									
					1	109.7	160.0	255.8	460.3	837.7	1318.1								43.0	61.0	91.5	131.5	205.5	302.7								39%	38%	36%	29%	25%	23%									
					8	29.4	41.9	67.3	111.7	203.7	319.6								36.8	58.7	89.2	129.6	203.5	305.0								125%	140%	132%	116%	100%	95%									
					16	22.8	36.3	58.2	103.1	185.6	295.7								33.0	57.2	77.4	118.1	196.7	294.6								145%	157%	133%	114%	106%	100%									
					32	23.7	36.4	59.0	100.2	185.1	290.0								29.5	57.2	77.7	120.5	199.9	293.3								125%	157%	132%	120%	108%	101%									
			4	128	0	54.2	66.1												55.8	71.6												103%	108%													
					1	49.2	61.9												55.8	69.6												113%	112%													
					8	28.6	36.6												15.6	19.1												54%	52%													
					16	21.1	29.5												14.0	17.4												66%	59%													
					32	17.2	22.8												14.4	18.4												83%	80%													
				4096	0	54.3	63.7	79.8	128.4										58.1	72.6	110.1	184.8										107%	114%	138%	144%											
					1	48.4	59.9	91.8	151.6										55.5	70.1	113.9	190.7										115%	117%	124%	126%											
					8	28.2	35.2	56.2	94.7										15.9	18.8	28.9	49.7										56%	53%	51%	53%											
					16	21.1	31.3	42.8	74.9										13.7	17.6	25.4	40.7										65%	56%	59%	54%											
					32	17.0	23.1	36.3	60.5										14.5	18.2	26.7	41.6										85%	79%	74%	69%											
				65536	0	54.4	63.1	79.7	128.4										55.8	73.2	112.9	157.7										103%	116%	142%	123%											
					1	48.3	61.3	91.5	149.9										52.4	71.5	105.4	174.0										109%	117%	115%	116%											
					8	28.9	36.2	56.2	95.1										16.5	19.3	29.5	50.8										57%	53%	53%	53%											
					16	20.9	29.6	44.9	75.7										14.0	17.6	26.4	40.2										67%	59%	59%	53%											
					32	17.2	23.3	35.9	61.3										14.7	18.0	27.2	40.9										86%	77%	76%	67%											
		uniform	0	128	0	33.4	53.7	100.4	189.2										31.9	56.2	99.6	177.5										96%	105%	99%	94%											
					1	31.2	54.2	95.1	182.9										35.1	52.0	98.5	178.4										113%	96%	104%	98%											
					8	5.6	9.5	16.9	31.3						583.5				5.8	9.4	16.6	31.2					457.0					103%	98%	98%	100%						78%					
					16	4.8	8.0	13.3	25.0										5.0	7.9	13.7	22.5										103%	99%	103%	90%											
					32	4.8	7.6	13.6	24.4										5.0	7.9	14.0	24.6										105%	103%	103%	101%											
				4096	0	32.4	55.1	99.2	179.8	352.2		640.6	974.8	851.6	643.8	510.9	473.6	485.5	33.1	55.1	96.6	177.8	327.2		586.3	938.0	1316.5	1378.6	713.7	454.6	463.5	102%	100%	97%	99%	93%		92%	96%	155%	214%	140%	96%	95%
					1	31.9	54.5	97.5	178.6	338.6		631.5	1105.2	1707.5	2158.8	2352.4	2139.3	497.6	32.4	53.9	93.5	176.6	326.8		579.5	951.2	1320.9	1383.1	714.3	455.1	463.0	102%	99%	96%	99%	97%		92%	86%	77%	64%	30%	21%	93%
					8	5.6	9.4	16.5	32.3	64.0		128.5	249.3	429.7	562.1	563.8	551.6	562.8	5.8	9.1	16.6	31.2	59.5		111.6	195.2	293.9	433.2	648.0	462.2	471.0	104%	97%	100%	97%	93%		87%	78%	68%	77%	115%	84%	84%
					16	5.0	7.4	12.3	22.6	41.8		81.2	158.5	272.8	385.9	455.0	475.8	509.5	4.8	7.9	12.9	23.7	42.3		75.2	132.9	194.9	329.3	605.1	476.0	472.4	95%	106%	105%	105%	101%		93%	84%	71%	85%	133%	100%	93%
					32	4.5	7.6	13.0	22.9	41.1		72.7	131.5	236.6	342.3	447.2	503.7	521.4	5.1	8.1	13.7	22.5	40.5		74.1	125.0	190.1	316.1	612.2	478.2	470.2	115%	108%	106%	98%	98%		102%	95%	80%	92%	137%	95%	90%
				65536	0	33.6	56.7	100.8	188.1	344.4		643.2	973.8	851.9	629.5	502.0	469.9	487.5	32.0	52.5	95.8	180.2	334.0		587.4	950.8	1338.3	1357.9	708.6	458.0	468.3	95%	93%	95%	96%	97%		91%	98%	157%	216%	141%	97%	96%
					1	34.3	56.3	92.1	180.9	343.0		629.0	1082.5	1677.7	2140.1	2306.0	2271.4	757.8	31.2	54.4	97.9	172.8	327.1		583.4	951.2	1332.0	1367.8	735.1	460.5	469.5	91%	97%	106%	96%	95%		93%	88%	79%	64%	32%	20%	62%
					8	6.0	9.0	16.7	31.8	63.9		128.8	252.9	431.3	568.6	564.6	560.7	565.2	6.4	9.3	16.8	30.5	56.6		111.6	196.1	292.1	434.5	651.2	458.2	467.0	106%	104%	100%	96%	89%		87%	78%	68%	76%	115%	82%	83%
					16	4.5	7.9	13.0	23.5	42.6		83.0	156.8	276.1	385.9	465.0	496.5	518.1	5.2	7.7	13.1	24.5	41.2		76.5	128.2	193.3	325.5	597.3	473.7	468.3	114%	99%	101%	105%	97%		92%	82%	70%	84%	128%	95%	90%
					32	4.6	7.8	13.9	23.8	43.1		75.1	130.8	229.8	337.9	455.8	492.4	523.8	5.2	7.9	12.9	23.3	40.4		69.3	120.6	191.3	307.0	613.4	472.4	465.7	112%	102%	93%	98%	94%		92%	92%	83%	91%	135%	96%	89%
			4	128	0	35.4	58.7	100.5	183.0					633.8	597.9				34.3	54.7	98.8	172.3					737.8	959.9				97%	93%	98%	94%					116%	161%			
					1	34.6	56.7	99.1	180.0					658.9	750.6				31.2	53.3	99.1	178.6					735.2	961.5				90%	94%	100%	99%					112%	128%			
					8	6.0	9.5	16.3	33.0					307.5	404.9				5.8	9.8	16.4	30.3					153.6	191.5				97%	103%	101%	92%					50%	47%			
					16	4.8	7.9	13.6	23.6					208.0	285.3				5.0	8.1	12.8	23.5					112.1	154.9				104%	102%	94%	99%					54%	54%			
					32	4.8	7.8	12.9	23.6					138.7	197.9				4.9	8.1	13.4	23.8					95.5	128.4				102%	104%	104%	101%					69%	65%			
				4096	0	35.4	55.0	99.4	180.4	345.1		637.4	964.2	633.0	610.8	525.2	518.9		32.9	54.9	98.4	180.4	324.1		588.0	947.7	724.7	957.5	1089.1	743.8		93%	100%	99%	100%	94%		92%	98%	114%	157%	207%	143%	
					1	34.3	54.6	94.6	181.6	331.9		632.0	1108.4	665.0	756.3	676.0	612.3		33.4	55.4	97.0	175.1	322.1		578.2	951.4	733.1	953.3	1087.2	690.1		97%	101%	103%	96%	97%		91%	86%	110%	126%	161%	113%	
					8	6.0	9.9	15.7	31.1	63.0		127.6	250.9	313.5	415.5	467.7	446.4		6.1	9.4	16.6	30.4	59.5		113.7	198.4	154.7	196.4	186.3	229.9		102%	95%	106%	98%	94%		89%	79%	49%	47%	40%	51%	
					16	5.1	8.2	14.3	24.0	43.5		82.5	163.1	212.1	295.2	344.9	336.7		4.9	7.8	13.3	24.7	42.5		73.5	128.7	113.9	158.1	153.9	141.2		97%	95%	93%	103%	98%		89%	79%	54%	54%	45%	42%	
					32	4.6	7.3	13.2	22.4	41.9		71.5	130.5	141.3	206.7	256.8	270.1		5.0	8.0	13.9	24.4	41.3		70.2	121.6	92.2	135.1	170.8	141.9		109%	110%	105%	109%	99%		98%	93%	65%	65%	67%	53%	
				65536	0	32.5	55.4	97.7	181.9	357.4		641.9	967.0	630.0	595.8	529.6	505.0		32.5	54.9	96.9	179.0	332.0		585.7	950.3	729.5	964.7	1088.4	711.3		100%	99%	99%	98%	93%		91%	98%	116%	162%	206%	141%	
					1	32.7	53.3	96.1	180.7	344.4		631.3	1100.1	667.0	760.8	673.8	613.8		32.9	54.3	99.4	175.7	333.7		587.6	944.7	731.1	965.4	1092.1	711.9		101%	102%	103%	97%	97%		93%	86%	110%	127%	162%	116%	
					8	6.0	9.5	16.7	32.7	63.6		127.4	252.2	313.6	417.7	465.5	448.4		6.1	9.2	16.3	30.3	58.1		112.1	198.4	155.1	196.6	186.0	231.4		101%	97%	97%	93%	91%		88%	79%	49%	47%	40%	52%	
					16	5.1	7.9	13.2	24.7	45.2		83.5	160.1	210.6	298.3	344.6	337.7		5.2	8.5	14.6	25.8	43.4		76.5	130.2	112.2	158.7	154.1	141.4		103%	107%	111%	104%	96%		92%	81%	53%	53%	45%	42%	
					32	4.8	7.8	14.1	23.1	43.3		77.8	131.1	143.8	207.8	256.4	268.9		5.1	8.2	14.4	26.2	44.0		76.9	126.1	95.0	134.8	168.1	137.5		107%	105%	103%	114%	101%		99%	96%	66%	65%	66%	51%	