MEDIAN of o	duration									patch v1						patch v3					
aching	scan_type	test	prefetch	dataset	machine	nvalues	distance	row	s	1	10	100	1000	10000	100000	1	10	100	1000	10000	1000
ached	bitmapscan	btree-saop	, · · · · ·	0 cycle	i5		5	1	1000000	99%	99%	100%	101%	101%	99%	100%	99%	99%	93%	99%	100
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									50000000	100%	100%	103%	101%	99%	99%	96%	96%	99%	97%	104%	99
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									50000000	101%	107%	102%	100%	99%	100%	98%	98%	94%	101%	100%	10
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									10000000	103%	98%	112%	98%	99%	101%	102%	85%	106%	105%	100%	10
							10	1	10000000	104%	94%	105%	94%	100%	10170	102%	108%	83%	103%	101%	- 10
							10		1000000	104%	101%	109%	98%	97%	105%	96%	99%	97%	102%	101%	10
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		10	1 1000000	92%	101%	98%	96%	99%	10070	102%	105%	96%	107%	99%	11070
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32 cycle	i5	5	1 1000000	102%	99%	99%	102%	78%	99%	98%	99%	99%	101%	100%	99%
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			10 1000000	101%	101%	102%	99%	99%		100%	102%	100%	92%	100%	
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				10 1000000	98%	96%	99%	98%			108%	110%	89%	100%		
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			100	1 1000000	94%	95%	100%	100%			95%	96%	99%	94%		
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			100	000000	102%	100%	88%	99%	99%	102%	97%	103%	97%	99%	101%	101%
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					100000000	95%	96%	104%	97%	99%	91%	110%	107%	95%	96%	101%	95%
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					10000000	103%	102%	106%	98%	99%	103%	110%	97%	98%	98%	101%	76%
					100000000	92%	95%	102%	99%	100%	111%	106%	94%	101%	96%	99%	118%
			10	1	1000000	95%	97%	102%	107%	97%		100%	103%	99%	106%	100%	
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					100000000	103%	106%	93%	96%	101%	124%	111%	101%	93%	95%	102%	86%
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					10000000	96%	96%	96%	98%	104%		105%	94%	105%	99%	100%	
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	32 cycle	i5	5	1	1000000	99%	101%	99%	96%	108%	105%	100%	98%	100%	98%	112%	107%
					10000000	103%	101%	101%	102%	103%	106%	99%	100%	100%	105%	110%	114%

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					50000000	100%	101%	87%	103%	102%	4%	101%	101%	101%	106%	111%	49
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					10000000	104%	101%	112%	107%	108%	115%	102%	112%	103%	104%	110%	106
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		xeon	5	1	1000000	95%	95%	97%	97%	106%	107%	101%	96%	85%	106%	110%	105
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				100005	40=0/	4000/	000/	40=01	44407		6=0/	4000/	40001	4.4.01	44001	
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				10 1000000	95%	97%	96%	102%	102%	11070	102%	95%	100%	97%	105%	1177
				1000000	103%	98%	89%	103%	105%	108%	105%	102%	107%		106%	104%
				10000000	89%	106%	90%	95%	101%	115%	105%	95%	111%		108%	
			10	1 1000000	98%	105%	97%	100%	109%	11370	98%	99%	96%		108%	107 /
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				10 1000000	100%	94%	92%	99%	11070	10370	105%	110%	94%		10070	1107
				1000000	102%	106%	98%	101%	104%		102%	104%	98%		111%	
				10000000	105%	117%	97%	100%	104%	108%	102%	92%	95%		118%	
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			100	1000000	98%	105%	97%	107%	110%		105%	92%	97%		116%	
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				1000000	97%	95%	96%	110%			113%	102%	101%	109%		
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				10 1000000	100%	99%	102%	101%	75%	10470	100%	100%	101%		105%	10370
				1000000	100%	99%	100%	99%	104%	103%	96%	100%	101%		107%	109%
				50000000	101%	100%	96%	102%	102%	102%	98%	96%	101%		106%	
			10	1 1000000	101%	100%	94%	101%	102%	102 /0	101%	100%	101%	103%	107%	1007
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				10 1000000	100%	100%	99%	98%	104%	104%	99%	100%	100%		107%	100%
				1000000	100%	100%	102%	104%	106%		97%	96%	100%	97%	107%	
				5000000	102%	98%	102%	104%	104%	106%	99%	99%	102%		107%	109%
			100	1 1000000	100%	101%	100%	103%	10470	10070	100%	97%	103%		104 70	1087
			100	1000000	102%	99%	102%	103%	104%		99%	100%	101%		109%	
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				1000000	102%	102%	102%	103%			99%	100%	110%	114%		
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		voon	5	50000000 1 1000000	100% 100%	104%	103% 99%	103% 104%	104%	109%	98% 103%	102% 99%	99%	161% 106%	110% 104%	104%
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seqscan				100	10	10000000 10000000 1000000	97% 89% 107%	96% 93% 99%	106% 94%	100% 95%	108% 103%	94% 134%	102% 113%	94% 96%	108% 94%	104% 100%	109% 103%	104%
seqscan				100	10	1000000				95%	103%	134%	113%	96%	94%	100%	103%	44.401
seqscan				100	10		107%	000/										114%
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seqscan				100		10000000	92%	101%	103%	97%	104%		103%	97%	109%	106%	103%	
seqscan				100		100000000	89%	99%	93%	98%	106%	151%	103%	106%	97%	104%	108%	87%
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seqscan						10000000	98%	100%	96%	108%	109%		100%	88%	100%	103%	98%	
seqscan						100000000	86%	96%	93%	102%	104%	107%	95%	106%	105%	105%	103%	101%
seqscan					10	1000000	111%	95%	99%				96%	99%	100%			
seqscan						10000000	108%	104%	103%	105%			104%	104%	106%	103%		
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	btree-saop	0 cycle	i5	5	1	1000000	99%	98%	100%	98%	99%	93%	99%	99%	99%	100%	101%	101%
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						50000000	100%	100%	100%	100%	100%	100%	99%	100%	100%	99%	96%	100%
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						10000000	99%	99%	101%	100%	100%	98%	99%	100%	102%	99%	100%	103%
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						10000000	98%	99%	105%	98%	101%		97%	97%	99%	99%	98%	
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			xeon	5	1	1000000	101%	100%	99%	102%	102%	98%	99%	97%	99%	100%	99%	111%
						10000000	100%	100%	100%	102%	103%	99%	99%	98%	99%	99%	99%	106%
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			100		1000000	103%	99%	101%	103%	101%		101%	102%	102%	101%	106%	
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				10	1000000	106%	103%	98%	98%			102%	103%	100%	100%		
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				100	1	1000000	99%	101%	98%	101%	10170	10070	99%	99%	102%	100%	3370	51 70
				100		10000000	99%	96%	94%	99%	94%		104%	94%	100%	99%	102%	
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					10	1000000	102%	102%	101%	10070	10070	10170	100%	101%	99%	3370	3070	3070
					10	1000000	97%	97%	98%	101%			98%	94%	94%	98%		
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			yoon	5	1	1000000	101%	101%	101%	100%	100%	133%	99%	100%	101%	99%	100%	71%
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						10000000	103%	102%	101%	101%	102%	101%	99%	99%	101%	100%	99%	96%
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						10000000	101%	102%	102%	95%	98%	92%	100%	101%	100%		99%	110%
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					10	1000000	99%	99%	101%	103%			98%	102%	100%	100%		
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						100000000	100%	105%	99%	98%	101%	102%	102%	99%	100%	98%	99%	100%
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		32 cycle	i5	5	1	1000000	100%	100%	99%	100%	100%	100%	99%	99%	99%	102%	100%	
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						50000000	99%	104%	103%	100%	100%	100%	97%	99%	100%	100%	97%	102%
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						10000000	102%	102%	102%	103%	99%		100%	97%	99%	99%	100%	
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			10		1000000	99%	102%	102%	98%	100%	87%	102%	96%	101%	100%	101%	98%
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				10	10000000	99%	101%	101%	102%	10070	3370	99%	101%	102%	100%	10170	3370
				10	1000000	98%	103%	101%	101%	103%		103%	100%	104%	97%	102%	
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			100	1	10000000	100%	103%	103%	103%	10070	10070	104%	106%	101%	101%	3370	10070
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			10	1	1000000	100%	101%	100%	100%	98%		100%	99%	100%	99%	98%	
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			10	1	1000000	100%	103%	102%	101%	102%		100%	101%	102%	100%	100%	
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							10000000	104%	104%	101%	100%	100%	98%	98%	97%	95%	99%	105%	101
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							10000000	103%	103%	106%	101%	99%		102%	99%	103%	98%	97%	
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					100	-	1000000	102%	103%	99%	99%	102%		98%	102%	95%	100%	106%	
					100	1	10000000	102%	103%	100%	104%	10170	102 /0	104%	98%	102%	101%	10170	31
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оодионии	10		•	1000000	100%	106%	105%	101%	101%	98%	98%	104%	103%	94%	111%	
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	3	z cycle	15	3	1	1000000	96%	107%	104%	100%	101%	98%	93%	100%	98%	82%	76%	
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			100	1	1000000	102%	104%	99%	101%	102%	101%	110%	95%	100%	102%	90%	1057
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			10000000	97%	99%	103%	94%	101%	104%	104%	105%	91%	88%	98%	84%
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			1000000	108%	107%	101%	96%	100%	102%	108%	95%	113%	98%	99%	101%
			10000000	89%	98%	99%	92%	100%	83%	104%	96%	97%	97%	101%	110%
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			10000000	97%	117%	92%	90%	98%	102%	109%	106%	95%	89%	100%	96%
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			10000000	88%	102%	95%	100%	103%	102%	99%	101%	102%	90%	91%	99%
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			5000000	104%	94%	54%	25%	18%	17%	100%	93%	57%	22%	18%	15%
			10 100000	101%	86%	33%	13%	12%		98%	77%	28%	11%	10%	
			1000000	104%	86%	31%	13%	10%	11%	85%	79%	30%	11%	8%	10%
			5000000	99%	82%	33%	13%	10%	9%	98%	80%	31%	11%	9%	8%
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			5000000	97%	77%	52%	29%	23%	22%	102%	95%	49%	28%	23%	21%
			10 100000	106%	83%	35%	18%			98%	85%	31%	15%		
			1000000	103%	90%	37%	18%	16%		106%	86%	35%	15%	13%	
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					50000000	95%	98%	72%	60%	56%	55%	107%	105%	74%	63%	58%	57%
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					100000000	101%	88%	64%	27%	17%	20%	103%	87%	64%	27%	18%	20%
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					100000000	93%	93%	63%	31%	23%	26%	92%	94%	56%	30%	23%	26%
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			100	1	10000000	102%	107%	71%	59%	1070	1070	87%	91%	72%	60%	1370	70 /0
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					50000000	97%	60%	20%	12%	11%	10%	98%	59%	18%	10%	8%	9%
			100	1	1000000	96%	26%	12%	25%			79%	26%	11%	24%		
					10000000	85%	25%	13%	11%	25%		84%	25%	11%	9%	22%	
					50000000	82%	25%	12%	11%	10%	10%	81%	27%	12%	11%	9%	9%
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					50000000	81%	27%	12%	11%	10%		83%	24%	12%	9%	9%	
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					10000000	30 70	1970	30 70	1-1 /0	12 /0	0176	11070	U 4 70	3170	13/0	12 /0	03/0

					100000000	91%	78%	33%	13%	10%	11%	108%	78%	35%	13%	10%	11%
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			100	1	1000000	106%	109%	184%	237%			108%	108%	100%	104%		,,,,,
			.00		1000000	103%	118%	173%	220%	168%		94%	90%	106%	105%	98%	
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				10	1000000	11070	17170	11/0				55 /6	171 /0	JU /0			

						10000000	117%	150%	83%	168%			100%	140%	98%	102%		
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seqscan	btree-saop	0 cycle	i5	5	1	1000000	104%	85%	93%	97%	86%	91%	103%	95%	88%	83%	103%	9
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						50000000	100%	100%	112%	99%	98%	108%	97%	100%	93%	99%	104%	
					10	1000000	100%	107%	87%		/-	,	96%	92%	88%			
						10000000	99%	102%	98%	98%			111%	98%	98%	89%		
						50000000	101%	96%	101%	101%	98%		100%	98%	100%	100%	100%	$^{+}$
			xeon	5	1	1000000	100%	101%	115%	101%	114%	100%	100%	99%	100%	100%	101%	_
			ACOII	3		1000000	100%	99%	101%	105%	102%	95%	102%	100%	106%	100%	100%	
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					10	1000000	101%	98%	101%	103%	101%	96%	98%	100%	100%	100%	98%	
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						10000000	101%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
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				100	1	1000000	99%	88%	102%	98%	2001		102%	104%	102%	100%	10.10/	-
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						100000000	100%	99%	100%	100%	99%	99%	101%	100%	100%	100%	101%	-
					10	1000000	101%	101%	98%				100%	99%	102%			
						10000000	99%	99%	100%	100%			101%	100%	101%	99%		
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		random	i5	5	1	1000000	104%	98%	88%	81%	97%	99%	100%	94%	81%	80%	98%	
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						10000000	99%	96%	102%	95%	101%	99%	98%	101%	98%	97%	98%)
						50000000	98%	100%	103%	104%	100%	102%	104%	99%	97%	100%	100%	, 1

				10	1000000	103%	91%	89%	72%			88%	105%	99%	84%		
				10	1000000	109%	95%	101%	89%	104%		98%	108%	100%	90%	97%	
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			100	1	1000000	91%	112%	112%	90%	100 %	9576	100%	104%	91%	98%	9970	1027
			100	1	1000000	99%	98%	100%	108%	95%		100%	104%	110%	99%	108%	
											1000/						1100
				40	50000000	101%	99%	100%	100%	106%	100%	99%	101%	100%	93%	103%	119%
				10	1000000	99%	90%	100%	1000/			94%	98%	92%	4040/		
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					50000000	100%	100%	97%	100%	97%	2001	99%	100%	89%	104%	98%	=00
		xeon	5	1	1000000	100%	100%	99%	100%	101%	99%	100%	84%	98%	100%	100%	
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			10	1	1000000	100%	100%	101%	94%	96%		100%	96%	102%	96%	101%	
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				10	1000000	101%	102%	101%	98%			100%	100%	101%	100%		
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			100	1	1000000	101%	100%	100%	101%			101%	100%	123%	97%		
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					100000000	99%	101%	100%	100%	101%	99%	100%	101%	100%	101%	101%	102%
				10	1000000	99%	101%	101%				101%	100%	123%			
					10000000	99%	101%	105%	99%			100%	100%	101%	102%		
					100000000	100%	100%	100%	100%	101%		100%	99%	100%	100%	99%	
	sequential	i5	5	1	1000000	97%	85%	98%	101%	85%	100%	94%	90%	106%	90%	104%	103%
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					10000000	101%	81%	94%	109%	97%	98%	98%	96%	98%	97%	100%	101%
					50000000	100%	99%	100%	100%	99%	101%	100%	104%	100%	97%	97%	100%
			10	1	1000000	99%	85%	99%	96%	92%		93%	89%	98%	99%	107%	
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					50000000	100%	98%	109%	100%	102%	102%	98%	100%	100%	100%	99%	100%
				10	1000000	102%	89%	99%	96%			96%	87%	91%	99%		
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		100	1	1000000	99%	100%	99%	93%			123%	123%	100%	101%		
			1	00000000	100%	100%	100%	100%	99%	101%	99%	100%	100%	101%	100%	1019
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			10	1000000	100%	101%	101%	114%			101%	100%	102%	82%		
			1	00000000	99%	99%	100%	100%	100%	101%	100%	99%	101%	101%	100%	1019
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		10	1	1000000	100%	100%	100%	99%	100%		101%	101%	98%	98%	101%	
			1	00000000	100%	101%	101%	99%	101%	100%	100%	100%	100%	100%	100%	999
				10000000	99%	104%	101%	103%	101%	105%	100%	100%	101%	100%	96%	101°
			10	1000000	100%	100%	99%	114%	98%		100%	101%	98%	101%	100%	
			1	00000000	100%	100%	100%	99%	99%	100%	101%	101%	101%	101%	100%	100
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	xeon	5	1	1000000	100%	99%	100%	99%	99%	102%	100%	100%	99%	101%	105%	91'
				50000000	107%	99%	100%	108%	97%		101%	96%	100%	101%	102%	
				10000000	99%	102%	98%	91%			106%	101%	98%	93%		
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				10000000	102%	106%	90%	100%	101%		116%	99%	97%	100%	101%	
		100	1	1000000	92%	101%	99%	98%			92%	91%	83%	108%	,5	
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				1000000	105%	100%	100%	99%	100%		122%	98%	105%	101%	98%	
			10	1000000	88%	101%	94%	103%	2 /0	2070	94%	96%	95%	106%	. 50 70	.00
				50000000	100%	100%	100%	101%	112%	99%	100%	99%	84%	100%	100%	
		10		1000000	100%	98%	91%	99%	101%	99%	118%	97%	99%	99%	94%	1119
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			10	1000000	100%	84%	97%	97%	99%	10270	96%	90%	74%	89%	87%	102
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32 cycle	i5	5	1	1000000	112%	76%	99%	95%	87%	86%	107%	84%	99%	91%	91%	
				00000000	100%	100%	100%	100%	100%	222	100%	100%	101%	99%	99%	40:
				10000000	101%	99%	98%	101%			101%	101%	99%	101%		
			10	1000000	100%	101%	99%				101%	99%	99%			
				00000000	100%	99%	101%	99%	99%	100%	100%	101%	101%	100%	99%	999
				10000000	101%	100%	100%	101%	109%		101%	100%	101%	99%	114%	
		100	1	1000000	104%	101%	99%	99%			101%	102%	99%	97%		
			1	00000000	100%	101%	99%	100%	100%	100%	100%	100%	100%	98%	99%	1019
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			10	1000000	101%	98%	100%	100%			100%	100%	100%	100%		
			1	00000000	100%	100%	100%	100%	98%	100%	100%	101%	100%	99%	101%	1009
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		10	1	1000000	100%	101%	98%	100%	96%		101%	101%	106%	99%	93%	
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			10	1000000	100% 100%	100% 100%	100% 100%	100% 101%	100% 99%	99%	100% 101%	100% 99%	101% 100%	100% 99%	100%	100

					10000000	100%	103%	100%	99%	103%		100%	100%	102%	101%	115%	
					100000000	100%	101%	100%	101%	99%	99%	100%	101%	100%	100%	101%	100%
				10	1000000	100%	90%	100%				100%	101%	100%			
					10000000	102%	100%	101%	97%			104%	97%	101%	101%		
					100000000	100%	100%	100%	100%	100%		100%	100%	101%	100%	100%	
	random	i5	5	1	1000000	113%	104%	94%	96%	101%	96%	96%	99%	99%	85%	95%	
					10000000	109%	99%	90%	95%	96%	101%	92%	112%	101%	114%	97%	
					50000000	90%	98%	98%	100%	103%	101%	100%	98%	100%	101%	99%	99%
				10	1000000	111%	103%	103%	99%	100%		110%	99%	100%	89%	118%	
					10000000	98%	97%	101%	95%	105%	102%	97%	101%	95%	98%	101%	94%
					50000000	100%	100%	102%	101%	100%	99%	100%	100%	99%	100%	93%	99%
			10	1	1000000	115%	109%	109%	80%	91%		85%	103%	104%	91%	111%	
					10000000	98%	95%	100%	95%	100%	105%	99%	99%	99%	90%	96%	100%
					50000000	100%	103%	100%	100%	100%	102%	96%	101%	100%	100%	104%	100%
				10	1000000	114%	103%	95%	80%			80%	102%	101%	88%		
					10000000	98%	97%	93%	97%	101%		99%	101%	99%	100%	99%	
					50000000	96%	87%	100%	107%	100%	103%	100%	97%	104%	99%	96%	96%
			100	1	1000000	95%	107%	100%	89%			94%	107%	97%	102%		
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					50000000	100%	96%	108%	99%	103%	100%	101%	100%	93%	100%	103%	101%
				10	1000000	97%	101%	90%				95%	96%	94%			
					10000000	99%	91%	98%	101%			99%	94%	106%	99%		
					50000000	100%	112%	100%	103%	101%		100%	106%	100%	94%	99%	
		xeon	5	1	1000000	101%	97%	100%	101%	100%	113%	100%	83%	99%	100%	100%	82%
		жон			10000000	104%	100%	98%	100%	98%	96%	100%	100%	104%	101%	100%	
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				10	1000000	103%	101%	100%	97%	100%	98%	97%	100%	100%	99%	102%	105%
					10000000	100%	101%	101%	100%	100%	101%	100%	99%	100%	101%	99%	
			40								10176						997
			10	1	1000000	102%	101%	116%	95%	99%	070/	101%	101%	101%	100%	101%	10.10
					10000000	100%	98%	102%	101%	98%	97%	97%	100%	100%	99%	100%	
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					10000000	100%	100%	100%	99%	100%	4000/	100%	100%	100%	100%	99%	
					100000000	100%	101%	100%	100%	100%	100%	100%	99%	100%	100%	100%	99%
			100	1	1000000	99%	101%	102%	100%	/		100%	99%	101%	100%		
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	sequential	i5	5	1	1000000	89%	98%	106%	99%	107%	97%	111%	80%	101%	77%	87%	
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					50000000	100%	100%	99%	99%	102%	100%	100%	101%	100%	100%	99%	
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					50000000	105%	100%	101%	100%	100%	99%	100%	100%	100%	100%	97%	94%

		10	1	1000000	101%	97%	98%	96%	101%		97%	89%	106%	111%	102%	
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				50000000	100%	100%	97%	104%	100%	99%	101%	100%	103%	100%	100%	100%
			10	1000000	89%	102%	96%	96%			89%	94%	89%	103%		
				10000000	101%	99%	98%	101%	99%		91%	99%	98%	91%	100%	
				50000000	100%	101%	100%	91%	100%	98%	100%	100%	100%	99%	99%	97%
		100	1	1000000	97%	103%	91%	90%			103%	98%	100%	98%		
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				50000000	94%	100%	99%	97%	102%	100%	100%	99%	100%	100%	100%	99%
			10	1000000	96%	96%	102%				107%	102%	97%			
				10000000	109%	99%	97%	98%			100%	116%	109%	106%		
				50000000	100%	92%	100%	105%	100%		99%	95%	101%	99%	99%	
	xeon	5	1	1000000	100%	98%	100%	100%	97%	90%	101%	122%	101%	100%	98%	1019
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			1	100000000	100%	100%	100%	101%	100%	100%	101%	100%	100%	101%	101%	100%
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		10	1	1000000	100%	100%	98%	100%	103%		101%	101%	100%	101%	98%	
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		100	1	1000000	102%	102%	99%	100%			103%	100%	99%	100%		
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			10	1000000	100%	103%	101%				99%	101%	98%			
				10000000	98%	101%	101%	101%			99%	99%	99%	99%		
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