		ACCELSIM	MICROGPUSIM	MICROGPUSIM (memory only)	MICROGPUSIM (trace reconstr.)
		eam (3 benchmark		-	<u>-</u>
Norm. DRAM	RMSE MAE	8.43% 8.05%	4.82% $2.78%$	$egin{array}{c} 4.82\% \ 2.78\% \end{array}$	4.82% $2.78%$
reads	Corr.	0.998	2.1070	2.1.070	2.1070
Norm.	RMSE	39.79%	7.09%	7.09%	7.09%
DRAM writes	MAE	38.74%	4.26%	4.26%	4.26%
	Corr. RMSE	0.998 0.00 %	0.00%	0.00%	0.00%
L1D hit rate	MAE	0.00%	0.00%	0.00%	0.00%
	Corr.	1.000	1.000	1.000	1.000
L2D	RMSE	14.29%	9.91%	9.91%	9.91%
hit rate	MAE Corr.	12.11% 0.988	5.72% 1.000	5.72% 1.000	5.72% 1.000
	RMSPE	15.52%	15.50%	19.21%	34.89%
Cycles	MAPE	14.76%	15.49%	19.21%	34.87%
	Corr.	1.000	1.000	1.000	1.000
	Matrixm RMSE	ul (2 benchmark co	onfigurations) @ 2 0.21%	8 SM's [blocks/SM $0.21%$	> 1] 0.21%
Norm. DRAM	MAE	2.88%	0.21%	0.21%	0.21%
reads	Corr.	1.000	1.000	1.000	1.000
Norm.	RMSE	81.77%	26.19%	25.61%	28.93%
DRAM writes	MAE	79.15%	18.67%	18.26%	20.61%
	Corr. RMSE	0.00%	0.00%	1.000 0.05%	1.000 0.18%
L1D hit rate	MAE	0.00%	0.00%	0.05%	0.15%
	Corr.	1.000	1.000	1.000	1.000
L2D hit rate	RMSE	12.69%	0.27%	0.29%	0.19%
	MAE Corr.	10.47% -1.000	0.19% 1.000	0.20% 1.000	0.14% 1.000
	RMSPE	20.06%	20.61%	23.40%	14.40%
Cycles	MAPE	18.93%	19.23%	22.32%	10.62%
	Corr.	1.000	1.000	1.000	1.000
	Naive Matri RMSE	xmul (1 benchmar) 0.44%	k configurations) (② 28 SM's [blocks/5 0.00%	SM > 1] 0.00%
Norm. DRAM	MAE	0.44%	0.00%	0.00%	0.00%
reads	Corr.				
Norm.	RMSE	99.95%	0.05%	0.05%	0.05%
DRAM writes	MAE	99.95%	0.05%	0.05%	0.05%
	Corr. RMSE	17.14%	0.91%	1.14%	0.86%
L1D hit rate	MAE	17.14%	0.91%	1.14%	0.86%
	Corr.				
L2D	RMSE	37.59%	2.63%	2.63%	2.63%
hit rate	MAE Corr.	37.59%	2.63%	2.63%	2.63%
	RMSPE	22.31%	7.50%	1.38%	87.79%
Cycles	MAPE	22.31%	7.50%	1.38%	87.79%
	Corr.				
	•	se (6 benchmark c		_	_
Norm. DRAM	Transpo RMSE MAE	se (6 benchmark c 45.49% 44.63%	onfigurations) @ 2 6.93% 3.01%	8 SM's [blocks/SM 6.93% 3.01%	> 1] 6.93% 3.01%
	RMSE	45.49%	6.93%	6.93%	6.93%
DRAM reads Norm.	RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56%	6.93% 3.01% 0.854 18.38%	6.93% 3.01% 0.854 18.38%	6.93% 3.01% 0.854 18.38%
DRAM reads	RMSE MAE Corr. RMSE MAE	45.49% 44.63% 0.839 66.56% 59.63%	6.93% 3.01% 0.854	6.93% 3.01% 0.854	6.93% 3.01% 0.854
DRAM reads Norm. DRAM	RMSE MAE Corr. RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173	6.93% 3.01% 0.854 18.38% 7.58%	6.93% 3.01% 0.854 18.38% 7.58%	6.93% 3.01% 0.854 18.38% 7.58%
DRAM reads Norm. DRAM	RMSE MAE Corr. RMSE MAE	45.49% 44.63% 0.839 66.56% 59.63%	6.93% 3.01% 0.854 18.38%	6.93% 3.01% 0.854 18.38%	6.93% 3.01% 0.854 18.38%
Norm. DRAM writes	RMSE MAE Corr. RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173	6.93% 3.01% 0.854 18.38% 7.58%	6.93% 3.01% 0.854 18.38% 7.58%	6.93% 3.01% 0.854 18.38% 7.58%
Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000
Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE MAE MAE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54% 66.72%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91%
Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000
Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54% 66.72% 0.355	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000
Norm. DRAM writes L1D hit rate L2D hit rate	RMSE MAE Corr. RMSPE MAPE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999
Norm. DRAM writes L1D hit rate L2D hit rate Cycles	RMSE MAE Corr. Corr. RMSPE MAPE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM	RMSE MAE Corr. RMSPE MAPE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm.	RMSE MAE Corr. RMSPE MAPE Corr. RMSPE MAPE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998
Norm. DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads	RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr. RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM reads	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr. RMSE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 >1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 43.73%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM reads L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 43.73%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 43.73% 86.55% 85.40% 0.998	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 3 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1]
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles Cycles L1D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 43.73%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles Cycles L1D hit rate Cycles Cycles Norm. CRAM writes L1D hit rate Cycles	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr. RMSE MAE RMSE RMSE RMSE RMSE RMSE RMSE RMSE RMS	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 e (16 benchmark cc	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1]
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles Norm. DRAM rate L2D hit rate L2D hit rate L3D hit rate L3D hit rate Norm. DRAM reads Norm. DRAM reads	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorA RMSE MAE Corr. RMSE RMSE MAE Corr. RMSPE RMSE RMSE RMSE RMSE RMSE RMSE RMSE RMS	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 16 (16 benchmark cc 29.31% 22.55% 0.991 63.60%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 26 6.45% 3.22% 0.957 20.58%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 3 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 >1] 8.78% 6.21% 0.998 28.41% 18.50% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 >1]
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAr RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.999 15.00% 8.71% 0.996 onfigurations) @ 26 6.45% 3.22% 0.957 20.58% 10.61%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles Norm. DRAM writes L1D hit rate L2D hit rate L2D hit rate Cycles	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorA RMSE MAE Corr. RMSE RMSE MAE Corr. RMSPE RMSE RMSE RMSE RMSE RMSE RMSE RMSE RMS	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 16 (16 benchmark cc 29.31% 22.55% 0.991 63.60%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 26 6.45% 3.22% 0.957 20.58%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 3 SM's [blocks/SM	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 >1] 8.78% 6.21% 0.998 28.41% 18.50% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 >1]
Norm. DRAM vrites L1D hit rate L2D hit rate Cycles Norm. DRAM vrites L1D hit rate Cycles Norm. DRAM vrites L1D hit rate L2D hit rate L2D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 e (16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles L1D hit rate L2D hit rate L1D hit rate L2D hit rate L1D hit rate L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 e (16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847 4.28% 1.07% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975 0.23% 0.06% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975 0.29% 0.08% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975 0.23% 0.07% 1.000
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles L1D hit rate L2D hit rate L2D hit rate L2D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorA RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 2(16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847 4.28% 1.07% 1.000 55.19%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975 0.23% 0.06% 1.000 9.84%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975 0.29% 0.08% 1.000 9.84%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 >1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 >1] 6.45% 3.22% 0.995 >1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975 0.23% 0.07% 1.000 9.84%
Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM writes L1D hit rate Cycles Norm. DRAM writes L1D hit rate L2D hit rate L1D hit rate L2D hit rate L1D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 43.73% 86.55% 85.40% 0.998 e (16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847 4.28% 1.07% 1.000 55.19% 41.88%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975 0.23% 0.06% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975 0.29% 0.08% 1.000	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975 0.23% 0.07% 1.000
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles L1D hit rate L2D hit rate L2D hit rate L2D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorA RMSE MAE Corr. RMSE	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 2(16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847 4.28% 1.07% 1.000 55.19%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975 0.23% 0.06% 1.000 9.84% 4.37%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 3 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975 0.29% 0.08% 1.000 9.84% 4.37%	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975 0.23% 0.07% 1.000 9.84% 4.36%
DRAM reads Norm. DRAM writes L1D hit rate L2D hit rate Cycles Norm. DRAM reads Norm. DRAM writes L1D hit rate Cycles L1D hit rate L2D hit rate L2D hit rate L2D hit rate	RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSE MAE Corr. RMSPE MAPE Corr. VectorAc RMSE MAE Corr.	45.49% 44.63% 0.839 66.56% 59.63% 0.173 0.00% 0.00% 1.000 72.54% 66.72% 0.355 38.30% 27.22% 0.911 dd (4 benchmark c 16.51% 15.67% 0.999 50.07% 35.50% 1.000 0.00% 0.00% 1.000 60.86% 43.73% 86.55% 85.40% 0.998 e (16 benchmark cc 29.31% 22.55% 0.991 63.60% 54.64% 0.847 4.28% 1.07% 1.000 55.19% 41.88% 0.462	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 7.32% 5.76% 0.999 onfigurations) @ 2 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 15.00% 8.71% 0.999 15.00% 8.71% 0.996 onfigurations) @ 2 6.45% 3.22% 0.957 20.58% 10.61% 0.975 0.23% 0.06% 1.000 9.84% 4.37% 0.958	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 8.41% 7.60% 0.999 8 SM's [blocks/SM 6.21% 0.998 28.41% 18.50% 0.994 0.00% 1.000 3.13% 2.06% 0.999 13.10% 7.37% 0.997 8 SM's [blocks/SM 6.45% 3.22% 0.957 20.49% 10.55% 0.975 0.29% 0.08% 1.000 9.84% 4.37% 0.958	6.93% 3.01% 0.854 18.38% 7.58% 0.00% 0.00% 1.000 14.18% 6.91% 1.000 13.54% 12.97% 0.999 > 1] 8.78% 6.21% 0.998 28.41% 18.50% 0.994 0.00% 0.00% 1.000 3.13% 2.06% 0.999 16.66% 9.80% 0.995 > 1] 6.45% 3.22% 0.957 21.04% 10.85% 0.975 0.23% 0.07% 1.000 9.84% 4.36% 0.958