

Sheet1

Trace Used	Cumulative IPC	Miss % L1	Miss % L2	Miss % LLC	LLC hit rate
Task 1					
LLC - 1MB					
401	0.996104	1.86%	51.51%	47.10%	52.90%
403	1.16988	19.24%	50.23%	0.17%	99.83%
434	1.19021	6.03%	10.17%	49.61%	50.39%
437	0.671987	2.46%	56.19%	77.45%	22.55%
450	0.321049	10.26%	58.11%	58.27%	41.73%
456	1.34456	0.95%	38.63%	46.19%	53.81%
462	0.444124	7.25%	74.87%	74.85%	25.15%
482	0.655517	4.35%	80.58%	87.45%	12.55%
605	0.323819	6.67%	59.73%	45.29%	54.71%
619	0.468263	15.77%	43.08%	42.05%	57.95%
Average:	0.7585513	7.48%	52.31%	52.84%	47.16%
LLC - 2MB					
401	1.0606	3.20%	51.53%	30.27%	69.73%
403	1.1726	73.55%	50.87%	64.38%	35.62%
Average:	1.1166	38.38%	51.20%	47.33%	52.68%
LLC - 4MB					
401	1.1982	3.00%	51.52%	3.26%	96.74%
403	1.1735	73.54%	50.23%	0.16%	99.84%
Average:	1.18585	38.27%	50.88%	1.71%	98.29%
LLC - 8MB					
401	1.2014	3.00%	51.53%	3.25%	96.75%
403	1.1736	21.44%	50.23%	0.16%	99.84%
Average:	1.1875	12.22%	50.88%	1.71%	98.30%
Task 2					
Assoc - 8					
401	1.1979	3.00%	51.51%	3.32%	96.68%
403	1.1735	24.40%	50.23%	0.16%	99.84%
Average:	1.1857	13.70%	50.87%	1.74%	98.26%
Assoc - 16					
401	1.1982	3.00%	51.52%	0.33%	99.67%
403	1.1735	22.53%	50.23%	0.16%	99.84%
Average:	1.18585	12.77%	50.88%	0.24%	99.76%
Task 3					
LRU					
401	1.19817	3.00%	51.51%	3.26%	96.74%
403	1.17354	73.56%	50.23%	0.16%	99.84%
Average:	1.185855	38.28%	50.87%	1.71%	98.29%
MRU					
401	1.11625	3.10%	51.52%	19.78%	80.22%
403	1.1701	73.56%	50.23%	0.73%	99.27%
Average:	1.143175	38.33%	50.87%	10.26%	89.74%
Random					
401	1.17998	3.03%	51.51%	6.77%	93.23%
403	1.17335	73.54%	50.23%	0.16%	99.84%
Average:	1.176665	38.29%	50.87%	3.47%	96.54%
Task 4					
32B					
401	1.20144	3.00%	51.51%	3.25%	96.75%
403	1.17358	73.54%	50.23%	0.16%	99.84%
Average:	1.18751	38.27%	50.87%	1.70%	98.30%

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64B

401	1.19817	3.00%	51.51%	3.26%	96.74%
403	1.17354	73.54%	50.23%	0.16%	99.84%
Average:	1.185855	38.27%	50.87%	1.71%	98.29%

128B

401	1.05933	3.20%	51.52%	30.12%	69.88%
403	1.17249	73.54%	50.23%	0.16%	99.84%
Average:	1.11591	38.37%	50.87%	15.14%	84.86%

Task 5

401	1.19789	3.00%	51.51%	3.32%	96.68%
403	1.17352	73.54%	50.23%	0.16%	99.84%
Average:	1.185705	38.27%	50.87%	1.74%	98.26%

Total writes at LLC Execution time (in cycles)

873780	200782248
19598089	170957778
807800	168037977
2038885	297625000
7996378	622956965
1082212	148747782
6551305	450325080
2696494	305102508
3983525	617628385
18635582	427110703
6426405	340927442.6
9799570	188525002
2240029	170521354
6019799.5	179523178
291083	166921143
9799570	170424021
5045326.5	168672582
291082	166466295
9799570	170420244
5045326	168443269.5
291081	166958891
9799570	170427151
5045325.5	168693021
291083	166921143
9799570	170424021
5045326.5	168672582
488293	166921143
19598184	170424021
10043238.5	168672582
690226	179171648
19710992	170925775
10200609	175048711.5
531194	169494923
19598507	170451501
10064850.5	169973212
488176	166466291
19598184	170418931
10043180	168442611

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488293	166921143
19598184	170424021
10043238.5	168672582
816587	188797675
19598374	170576985
10207480.5	179687330
489014	166959859
19598185	170427151
10043599.5	168693505