Project 2 Data Tables and Bar Graph   Aadu Pirn and Jonathan Selling

Experiment 1 — Long Trace 1

L1 Miss Rate	1KB	16KB	128KB
4B	36.01%	25.89%	18.22%
16B	31.15%	18.10%	10.65%
64B	48.56%	16.11%	8.30%
256B	67.16%	17.01%	7.73%

Long Trace 1

Total Number of Cycles	1KB	16KB	128KB
4B	1,225,911,189	920,477,689	702,553,289
16B	1,200,428,289	727,934,689	477,913,189
64B	1,908,376,489	643,699,489	379,071,289
256B	2,722,498,489	678,988,689	354,810,089

Long Trace 2

L1 Miss Rate	1KB	16KB	128KB
4B	60.91%	53.43%	46.56%
16B	58.15%	53.77%	47.19%
64B	53.85%	44.98%	41.87%
256B	52.05%	24.24%	21.85%

Long Trace 2

Total Number of Cycles	1KB	16KB	128KB
4B	2,311,273,189	2,029,340,389	1,774,829,089
16B	2,729,053,289	2,548,892,989	2,267,742,589
64B	2,543,916,889	2,188,924,689	2,052,171,789
256B	2,263,477,589	1,131,601,689	1,024,405,189

Experiment 2 — Long Trace 1

L1 Miss Rate	1KB	16KB	128KB
4B	36.01%	25.89%	18.22%
16B	31.15%	18.10%	10.65%
64B	48.56%	16.11%	8.30%
256B	67.16%	17.01%	7.73%

Long Trace 1

L2 Miss Rate	1KB	16KB	128KB
4B	16.16%	22.36%	26.76%
16B	14.98%	25.76%	41.78%
64B	7.51%	23.00%	43.70%
256B	4.87%	19.81%	43.31%

Long Trace 1

Total Number of Cycles	1KB	16KB	128KB
4B	353,888,593	331,778,883	315,273,119
16B	348,653,419	317,659,003	308,271,313
64B	336,346,611	256,412,291	242,729,399
256B	361,731,231	273,564,543	218,455,827

Long Trace 2

L1 Miss Rate	1KB	16KB	128KB
4B	60.91%	53.43%	46.56%
16B	58.15%	53.77%	47.19%
64B	53.85%	44.98%	41.87%
256B	52.05%	24.24%	21.85%

Long Trace 2

L2 Miss Rate	1KB	16KB	128KB
4B	32.02%	37.46%	37.31%
16B	51.85%	56.06%	64.80%
64B	46.97%	55.76%	60.38%
256B	23.03%	52.62%	59.17%

Long Trace 2

Total Number of Cycles	1KB	16KB	128KB
4B	893,851,313	882,163,045	735,820,167
16B	2,244,967,219	2,230,392,901	2,194,378,677
64B	2,052,947,635	2,026,838,903	2,005,475,429
256B	1,014,301,977	905,942,123	887,743,033

Experiment 3

	L1 Miss Rate 1	L1 Miss Rate 2
Assoc 1	31.76	55.79
Assoc 4	21.4	52.28
Assoc 8	20.82	52.17

L1 Miss Rate 1 and L1 Miss Rate 2