

## Lab4 Part D+E Reference Output (mixed libq.mtr.gz & bzip2.mtr.gz)

### PART D

*D.mix1.res*

CYCLES	: 211035456
CORE_0_INST	: 100000000
CORE_0_CYCLES	: 124701140
CORE_0_IPC	: 0.802
CORE_1_INST	: 100000000
CORE_1_CYCLES	: 211035455
CORE_1_IPC	: 0.474
MEMSYS_IFETCH_ACCESS	: 200000000
MEMSYS_LOAD_ACCESS	: 75980799
MEMSYS_STORE_ACCESS	: 23386645
MEMSYS_IFETCH_AVGDELAY	: 1.000
MEMSYS_LOAD_AVGDELAY	: 2.786
MEMSYS_STORE_AVGDELAY	: 1.816
ICACHE_0_READ_ACCESS	: 100000000
ICACHE_0_WRITE_ACCESS	: 0
ICACHE_0_READ_MISS	: 222
ICACHE_0_WRITE_MISS	: 0
ICACHE_0_READ_MISS_PERC	: 0.000
ICACHE_0_WRITE_MISS_PERC	: 0.000
ICACHE_0_DIRTY_EVICTS	: 0
DCACHE_0_READ_ACCESS	: 39627441
DCACHE_0_WRITE_ACCESS	: 15885877
DCACHE_0_READ_MISS	: 655444
DCACHE_0_WRITE_MISS	: 218653
DCACHE_0_READ_MISS_PERC	: 1.654
DCACHE_0_WRITE_MISS_PERC	: 1.376
DCACHE_0_DIRTY_EVICTS	: 325242
ICACHE_1_READ_ACCESS	: 100000000
ICACHE_1_WRITE_ACCESS	: 0
ICACHE_1_READ_MISS	: 17
ICACHE_1_WRITE_MISS	: 0
ICACHE_1_READ_MISS_PERC	: 0.000
ICACHE_1_WRITE_MISS_PERC	: 0.000
ICACHE_1_DIRTY_EVICTS	: 0
DCACHE_1_READ_ACCESS	: 36353358
DCACHE_1_WRITE_ACCESS	: 7500768
DCACHE_1_READ_MISS	: 1186718
DCACHE_1_WRITE_MISS	: 4

DCACHE_1_READ_MISS_PERC	:	3.264
DCACHE_1_WRITE_MISS_PERC	:	0.000
DCACHE_1_DIRTY_EVICTS	:	265840
L2CACHE_READ_ACCESS	:	2061058
L2CACHE_WRITE_ACCESS	:	591082
L2CACHE_READ_MISS	:	1476565
L2CACHE_WRITE_MISS	:	271
L2CACHE_READ_MISS_PERC	:	71.641
L2CACHE_WRITE_MISS_PERC	:	0.046
L2CACHE_DIRTY_EVICTS	:	428764
DRAM_READ_ACCESS	:	1476836
DRAM_WRITE_ACCESS	:	428764
DRAM_READ_DELAY_AVG	:	90.906
DRAM_WRITE_DELAY_AVG	:	145.000

## PART E

*E.Q1.mix1.res*

CYCLES	:	207230436
CORE_0_INST	:	100000000
CORE_0_CYCLES	:	133618685
CORE_0_IPC	:	0.748
CORE_1_INST	:	100000000
CORE_1_CYCLES	:	207230435
CORE_1_IPC	:	0.483
MEMSYS_IFETCH_ACCESS	:	200000000
MEMSYS_LOAD_ACCESS	:	75980799
MEMSYS_STORE_ACCESS	:	23386645
MEMSYS_IFETCH_AVGDELAY	:	1.000
MEMSYS_LOAD_AVGDELAY	:	2.853
MEMSYS_STORE_AVGDELAY	:	1.952
ICACHE_0_READ_ACCESS	:	100000000
ICACHE_0_WRITE_ACCESS	:	0
ICACHE_0_READ_MISS	:	222
ICACHE_0_WRITE_MISS	:	0
ICACHE_0_READ_MISS_PERC	:	0.000
ICACHE_0_WRITE_MISS_PERC	:	0.000
ICACHE_0_DIRTY_EVICTS	:	0
DCACHE_0_READ_ACCESS	:	39627441
DCACHE_0_WRITE_ACCESS	:	15885877
DCACHE_0_READ_MISS	:	655444
DCACHE_0_WRITE_MISS	:	218653
DCACHE_0_READ_MISS_PERC	:	1.654

DCACHE_0_WRITE_MISS_PERC	:	1.376
DCACHE_0_DIRTY_EVICTS	:	325242
ICACHE_1_READ_ACCESS	:	100000000
ICACHE_1_WRITE_ACCESS	:	0
ICACHE_1_READ_MISS	:	17
ICACHE_1_WRITE_MISS	:	0
ICACHE_1_READ_MISS_PERC	:	0.000
ICACHE_1_WRITE_MISS_PERC	:	0.000
ICACHE_1_DIRTY_EVICTS	:	0
DCACHE_1_READ_ACCESS	:	36353358
DCACHE_1_WRITE_ACCESS	:	7500768
DCACHE_1_READ_MISS	:	1186718
DCACHE_1_WRITE_MISS	:	4
DCACHE_1_READ_MISS_PERC	:	3.264
DCACHE_1_WRITE_MISS_PERC	:	0.000
DCACHE_1_DIRTY_EVICTS	:	265840
L2CACHE_READ_ACCESS	:	2061058
L2CACHE_WRITE_ACCESS	:	591082
L2CACHE_READ_MISS	:	1557001
L2CACHE_WRITE_MISS	:	1215
L2CACHE_READ_MISS_PERC	:	75.544
L2CACHE_WRITE_MISS_PERC	:	0.206
L2CACHE_DIRTY_EVICTS	:	450414
DRAM_READ_ACCESS	:	1558216
DRAM_WRITE_ACCESS	:	450414
DRAM_READ_DELAY_AVG	:	91.558
DRAM_WRITE_DELAY_AVG	:	145.000

#### *E.Q2.mix1.res*

CYCLES	:	207089586
CORE_0_INST	:	100000000
CORE_0_CYCLES	:	124222535
CORE_0_IPC	:	0.805
CORE_1_INST	:	100000000
CORE_1_CYCLES	:	207089585
CORE_1_IPC	:	0.483
MEMSYS_IFETCH_ACCESS	:	200000000
MEMSYS_LOAD_ACCESS	:	75980799
MEMSYS_STORE_ACCESS	:	23386645
MEMSYS_IFETCH_AVGDELAY	:	1.000
MEMSYS_LOAD_AVGDELAY	:	2.728

MEMSYS_STORE_AVGDELAY	:	1.837
ICACHE_0_READ_ACCESS	:	100000000
ICACHE_0_WRITE_ACCESS	:	0
ICACHE_0_READ_MISS	:	222
ICACHE_0_WRITE_MISS	:	0
ICACHE_0_READ_MISS_PERC	:	0.000
ICACHE_0_WRITE_MISS_PERC	:	0.000
ICACHE_0_DIRTY_EVICTS	:	0
DCACHE_0_READ_ACCESS	:	39627441
DCACHE_0_WRITE_ACCESS	:	15885877
DCACHE_0_READ_MISS	:	655444
DCACHE_0_WRITE_MISS	:	218653
DCACHE_0_READ_MISS_PERC	:	1.654
DCACHE_0_WRITE_MISS_PERC	:	1.376
DCACHE_0_DIRTY_EVICTS	:	325242
ICACHE_1_READ_ACCESS	:	100000000
ICACHE_1_WRITE_ACCESS	:	0
ICACHE_1_READ_MISS	:	17
ICACHE_1_WRITE_MISS	:	0
ICACHE_1_READ_MISS_PERC	:	0.000
ICACHE_1_WRITE_MISS_PERC	:	0.000
ICACHE_1_DIRTY_EVICTS	:	0
DCACHE_1_READ_ACCESS	:	36353358
DCACHE_1_WRITE_ACCESS	:	7500768
DCACHE_1_READ_MISS	:	1186718
DCACHE_1_WRITE_MISS	:	4
DCACHE_1_READ_MISS_PERC	:	3.264
DCACHE_1_WRITE_MISS_PERC	:	0.000
DCACHE_1_DIRTY_EVICTS	:	265840
L2CACHE_READ_ACCESS	:	2061058
L2CACHE_WRITE_ACCESS	:	591082
L2CACHE_READ_MISS	:	1460186
L2CACHE_WRITE_MISS	:	200
L2CACHE_READ_MISS_PERC	:	70.846
L2CACHE_WRITE_MISS_PERC	:	0.034
L2CACHE_DIRTY_EVICTS	:	423662
DRAM_READ_ACCESS	:	1460386
DRAM_WRITE_ACCESS	:	423662
DRAM_READ_DELAY_AVG	:	89.216
DRAM_WRITE_DELAY_AVG	:	145.000

*E.Q3.mix1.res*

CYCLES	: 206985816
CORE_0_INST	: 100000000
CORE_0_CYCLES	: 119943645
CORE_0_IPC	: 0.834
CORE_1_INST	: 100000000
CORE_1_CYCLES	: 206985815
CORE_1_IPC	: 0.483
MEMSYS_IFETCH_ACCESS	: 200000000
MEMSYS_LOAD_ACCESS	: 75980799
MEMSYS_STORE_ACCESS	: 23386645
MEMSYS_IFETCH_AVGDELAY	: 1.000
MEMSYS_LOAD_AVGDELAY	: 2.670
MEMSYS_STORE_AVGDELAY	: 1.771
ICACHE_0_READ_ACCESS	: 100000000
ICACHE_0_WRITE_ACCESS	: 0
ICACHE_0_READ_MISS	: 222
ICACHE_0_WRITE_MISS	: 0
ICACHE_0_READ_MISS_PERC	: 0.000
ICACHE_0_WRITE_MISS_PERC	: 0.000
ICACHE_0_DIRTY_EVICTS	: 0
DCACHE_0_READ_ACCESS	: 39627441
DCACHE_0_WRITE_ACCESS	: 15885877
DCACHE_0_READ_MISS	: 655444
DCACHE_0_WRITE_MISS	: 218653
DCACHE_0_READ_MISS_PERC	: 1.654
DCACHE_0_WRITE_MISS_PERC	: 1.376
DCACHE_0_DIRTY_EVICTS	: 325242
ICACHE_1_READ_ACCESS	: 100000000
ICACHE_1_WRITE_ACCESS	: 0
ICACHE_1_READ_MISS	: 17
ICACHE_1_WRITE_MISS	: 0
ICACHE_1_READ_MISS_PERC	: 0.000
ICACHE_1_WRITE_MISS_PERC	: 0.000
ICACHE_1_DIRTY_EVICTS	: 0
DCACHE_1_READ_ACCESS	: 36353358
DCACHE_1_WRITE_ACCESS	: 7500768
DCACHE_1_READ_MISS	: 1186718
DCACHE_1_WRITE_MISS	: 4
DCACHE_1_READ_MISS_PERC	: 3.264
DCACHE_1_WRITE_MISS_PERC	: 0.000
DCACHE_1_DIRTY_EVICTS	: 265840

L2CACHE_READ_ACCESS	:	2061058
L2CACHE_WRITE_ACCESS	:	591082
L2CACHE_READ_MISS	:	1415008
L2CACHE_WRITE_MISS	:	157
L2CACHE_READ_MISS_PERC	:	68.654
L2CACHE_WRITE_MISS_PERC	:	0.027
L2CACHE_DIRTY_EVICTS	:	407729

DRAM_READ_ACCESS	:	1415165
DRAM_WRITE_ACCESS	:	407729
DRAM_READ_DELAY_AVG	:	87.882
DRAM_WRITE_DELAY_AVG	:	145.000