Lab 4 Parts D + E Reference Outputs (mix1: libq.mtr.gz + bzip2.mtr.gz)

Part D:

D.mix1.res

```
CYCLES                      :  218921211

CORE_0_INST                 :  100000000
CORE_0_CYCLES               :  132441010
CORE_0_IPC                  :      0.755

CORE_1_INST                 :  100000000
CORE_1_CYCLES               :  218921210
CORE_1_IPC                  :      0.457

MEMSYS_IFETCH_ACCESS        :  200000000
MEMSYS_LOAD_ACCESS          :   75980799
MEMSYS_STORE_ACCESS         :   23386645
MEMSYS_IFETCH_AVGDELAY      :      1.000
MEMSYS_LOAD_AVGDELAY        :      2.992
MEMSYS_STORE_AVGDELAY       :      1.957

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          :     693106
DCACHE_0_WRITE_MISS         :     228454
DCACHE_0_READ_MISS_PERC     :      1.749
DCACHE_0_WRITE_MISS_PERC    :      1.438
DCACHE_0_DIRTY_EVICTS       :     360220

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
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DCACHE_1_WRITE_ACCESS          :   7500768
DCACHE_1_READ_MISS             :   1191176
DCACHE_1_WRITE_MISS            :      2321
DCACHE_1_READ_MISS_PERC        :      3.277
DCACHE_1_WRITE_MISS_PERC       :      0.031
DCACHE_1_DIRTY_EVICTS          :    268702

L2CACHE_READ_ACCESS            :   2115296
L2CACHE_WRITE_ACCESS           :    628922
L2CACHE_READ_MISS         :  1515252
L2CACHE_WRITE_MISS        :    2387
L2CACHE_READ_MISS_PERC         :     71.633
L2CACHE_WRITE_MISS_PERC        :      0.380
L2CACHE_DIRTY_EVICTS           :    442724

DRAM_READ_ACCESS          :  1515252
DRAM_WRITE_ACCESS         :   442724
DRAM_READ_DELAY_AVG       :  100.709
DRAM_WRITE_DELAY_AVG      :  144.995
```

Part E:

E.Q1.mix1.res

CYCLES   : 217176541

CORE_0_INST   : 100000000
CORE_0_CYCLES   : 137443845
CORE_0_IPC   :   0.728

CORE_1_INST   : 100000000
CORE_1_CYCLES   : 217176540
CORE_1_IPC   :   0.460

MEMSYS_IFETCH_ACCESS   : 200000000
MEMSYS_LOAD_ACCESS   : 75980799
MEMSYS_STORE_ACCESS   : 23386645
MEMSYS_IFETCH_AVGDELAY   :   1.000
MEMSYS_LOAD_AVGDELAY   :   3.035
MEMSYS_STORE_AVGDELAY   :   2.023

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   :   693106
DCACHE_0_WRITE_MISS   :   228454
DCACHE_0_READ_MISS_PERC   :   1.749
DCACHE_0_WRITE_MISS_PERC   :   1.438
DCACHE_0_DIRTY_EVICTS   :   360220

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   :   1191176

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DCACHE_1_WRITE_MISS            :      2321
DCACHE_1_READ_MISS_PERC        :      3.277
DCACHE_1_WRITE_MISS_PERC       :      0.031
DCACHE_1_DIRTY_EVICTS          :    268702

L2CACHE_READ_ACCESS            :   2115296
L2CACHE_WRITE_ACCESS           :    628922
L2CACHE_READ_MISS        :   1563434
L2CACHE_WRITE_MISS       :     4662
L2CACHE_READ_MISS_PERC         :     73.911
L2CACHE_WRITE_MISS_PERC        :      0.741
L2CACHE_DIRTY_EVICTS           :    457240

DRAM_READ_ACCESS         :   1563434
DRAM_WRITE_ACCESS        :    457240
DRAM_READ_DELAY_AVG      :   100.674
DRAM_WRITE_DELAY_AVG     :   144.983
```