Lab 4 Parts A + B + C Reference Outputs (libq.mtr.gz)

Part A:

A.libq.res

```
CYCLES                      : 100000001

CORE_0_INST                 : 100000000
CORE_0_CYCLES                     : 100000000
CORE_0_IPC                  :     1.000

MEMSYS_IFETCH_ACCESS                : 100000000
MEMSYS_LOAD_ACCESS                  :  36353358
MEMSYS_STORE_ACCESS                 :   7500768
MEMSYS_IFETCH_AVGDELAY              :     0.000
MEMSYS_LOAD_AVGDELAY                :     0.000
MEMSYS_STORE_AVGDELAY               :     0.000

DCACHE_READ_ACCESS                  :  36353358
DCACHE_WRITE_ACCESS                 :   7500768
DCACHE_READ_MISS              :   1191176
DCACHE_WRITE_MISS             :      2321
DCACHE_READ_MISS_PERC               :     3.277
DCACHE_WRITE_MISS_PERC              :     0.031
DCACHE_DIRTY_EVICTS           :    268702
```

Part B:

B.S1MB.libq.res

CYCLES : 230595531

CORE_0_INST : 100000000
CORE_0_CYCLES : 230595530
CORE_0_IPC : 0.434

MEMSYS_IFETCH_ACCESS : 100000000
MEMSYS_LOAD_ACCESS : 36353358
MEMSYS_STORE_ACCESS : 7500768
MEMSYS_IFETCH_AVGDELAY : 1.000
MEMSYS_LOAD_AVGDELAY : 4.592
MEMSYS_STORE_AVGDELAY : 1.003

ICACHE_READ_ACCESS : 100000000
ICACHE_WRITE_ACCESS : 0
ICACHE_READ_MISS : 17
ICACHE_WRITE_MISS : 0
ICACHE_READ_MISS_PERC : 0.000
ICACHE_WRITE_MISS_PERC : 0.000
ICACHE_DIRTY_EVICTS : 0

DCACHE_READ_ACCESS : 36353358
DCACHE_WRITE_ACCESS : 7500768
DCACHE_READ_MISS : 1191176
DCACHE_WRITE_MISS : 2321
DCACHE_READ_MISS_PERC : 3.277
DCACHE_WRITE_MISS_PERC : 0.031
DCACHE_DIRTY_EVICTS : 268702

L2CACHE_READ_ACCESS : 1193514
L2CACHE_WRITE_ACCESS : 268702
L2CACHE_READ_MISS : 1186840
L2CACHE_WRITE_MISS : 104
L2CACHE_READ_MISS_PERC : 99.441
L2CACHE_WRITE_MISS_PERC : 0.039
L2CACHE_DIRTY_EVICTS : 263603

DRAM_READ_ACCESS : 1186840
DRAM_WRITE_ACCESS : 263603
DRAM_READ_DELAY_AVG : 100.000
DRAM_WRITE_DELAY_AVG : 100.000

Part C:

C.S1MB.CP.libq.res

CYCLES : 230595531

CORE_0_INST : 100000000
CORE_0_CYCLES : 230595530
CORE_0_IPC : 0.434

MEMSYS_IFETCH_ACCESS : 100000000
MEMSYS_LOAD_ACCESS : 36353358
MEMSYS_STORE_ACCESS : 7500768
MEMSYS_IFETCH_AVGDELAY : 1.000
MEMSYS_LOAD_AVGDELAY : 4.592
MEMSYS_STORE_AVGDELAY : 1.003

ICACHE_READ_ACCESS : 100000000
ICACHE_WRITE_ACCESS : 0
ICACHE_READ_MISS : 17
ICACHE_WRITE_MISS : 0
ICACHE_READ_MISS_PERC : 0.000
ICACHE_WRITE_MISS_PERC : 0.000
ICACHE_DIRTY_EVICTS : 0

DCACHE_READ_ACCESS : 36353358
DCACHE_WRITE_ACCESS : 7500768
DCACHE_READ_MISS : 1191176
DCACHE_WRITE_MISS : 2321
DCACHE_READ_MISS_PERC : 3.277
DCACHE_WRITE_MISS_PERC : 0.031
DCACHE_DIRTY_EVICTS : 268702

L2CACHE_READ_ACCESS : 1193514
L2CACHE_WRITE_ACCESS : 268702
L2CACHE_READ_MISS : 1186840
L2CACHE_WRITE_MISS : 104
L2CACHE_READ_MISS_PERC : 99.441
L2CACHE_WRITE_MISS_PERC : 0.039
L2CACHE_DIRTY_EVICTS : 263603

DRAM_READ_ACCESS : 1186840
DRAM_WRITE_ACCESS : 263603
DRAM_READ_DELAY_AVG : 100.000
DRAM_WRITE_DELAY_AVG : 100.000

C.S1MB.OP.libq.res

CYCLES : 206125791

CORE_0_INST : 100000000
CORE_0_CYCLES : 206125790
CORE_0_IPC : 0.485

MEMSYS_IFETCH_ACCESS : 100000000
MEMSYS_LOAD_ACCESS : 36353358
MEMSYS_STORE_ACCESS : 7500768
MEMSYS_IFETCH_AVGDELAY : 1.000
MEMSYS_LOAD_AVGDELAY : 3.919
MEMSYS_STORE_AVGDELAY : 1.003

ICACHE_READ_ACCESS : 100000000
ICACHE_WRITE_ACCESS : 0
ICACHE_READ_MISS : 17
ICACHE_WRITE_MISS : 0
ICACHE_READ_MISS_PERC : 0.000
ICACHE_WRITE_MISS_PERC : 0.000
ICACHE_DIRTY_EVICTS : 0

DCACHE_READ_ACCESS : 36353358
DCACHE_WRITE_ACCESS : 7500768
DCACHE_READ_MISS : 1191176
DCACHE_WRITE_MISS : 2321
DCACHE_READ_MISS_PERC : 3.277
DCACHE_WRITE_MISS_PERC : 0.031
DCACHE_DIRTY_EVICTS : 268702

L2CACHE_READ_ACCESS : 1193514
L2CACHE_WRITE_ACCESS : 268702
L2CACHE_READ_MISS : 1186840
L2CACHE_WRITE_MISS : 104
L2CACHE_READ_MISS_PERC : 99.441
L2CACHE_WRITE_MISS_PERC : 0.039
L2CACHE_DIRTY_EVICTS : 263603

DRAM_READ_ACCESS : 1186840
DRAM_WRITE_ACCESS : 263603
DRAM_READ_DELAY_AVG : 79.383
DRAM_WRITE_DELAY_AVG : 145.000