
omnetpp-mem64_L1-small Simulation Results

Number of reference types:

Number of reads	=	2009285423	[20.09%]
Number of writes	=	1237898222	[12.38%]
Number of inst	=	6752816355	[67.53%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	35769143226	[42.19%]
Cycles for writes	=	8181363249	[9.65%]
Cycles for inst	=	40836207383	[48.16%]
Total time	=	84786713858	

Average cycles per activity:

Read	=	17.80
Write	=	6.61
Inst	=	12.56

Ideal: Exec. Time = 16752816355; CPI = 2.48

Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94

Ideal execution time	=	16752816355	[CPI 2.48]
Ideal misaligned time	=	24142954060	[CPI 3.58]

Memory level: L1i

Hits	=	10791448034	[94.16%]
Misses	=	669798055	[5.84%]
Total	=	11461246089	

Kickouts = 669797927, Dirty kickouts = 0, Transfers = 669798055

Memory level: L1d

Hits	=	5423480899	[91.48%]
Misses	=	505410717	[8.52%]
Total	=	5928891616	

Kickouts = 505410589, Dirty kickouts = 217210609, Transfers = 505410717

Memory level: L2

Hits	=	992116313	[71.25%]
Misses	=	400303068	[28.75%]
Total	=	1392419381	

Kickouts = 400302556, Dirty kickouts = 91544599, Transfers = 400303068

Cost analysis:

L1i cache cost	=	\$100
L1d cache cost	=	\$100
L2 cache cost	=	\$50
Memory cost	=	\$275
Total cost	=	\$525