
omnetpp-mem32_All-4way 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	=	23619135621	[43.27%]
Cycles for writes	=	6009677710	[11.01%]
Cycles for inst	=	24956665469	[45.72%]
Total time	=	54585478800	

Average cycles per activity:

Read	=	11.75
Write	=	4.85
Inst	=	8.08

Ideal: Exec. Time = 16752816355; CPI = 2.48

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

Memory level: L1i

Hits	=	11176886229	[97.52%]
Misses	=	284359860	[2.48%]
Total	=	11461246089	
Kickouts	=	284359604, Dirty kickouts = 0, Transfers = 284359860	

Memory level: L1d

Hits	=	5710864475	[96.32%]
Misses	=	218027141	[3.68%]
Total	=	5928891616	
Kickouts	=	218026885, Dirty kickouts = 85447461, Transfers = 218027141	

Memory level: L2

Hits	=	387962332	[66.00%]
Misses	=	199872130	[34.00%]
Total	=	587834462	
Kickouts	=	199871618, Dirty kickouts = 51135782, Transfers = 199872130	

Cost analysis:

L1i cache cost	=	\$600
L1d cache cost	=	\$600
L2 cache cost	=	\$150
Memory cost	=	\$175
Total cost	=	\$1525