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omnetpp-mem32\_All-4way      Simulation Results

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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

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

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