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omnetpp-mem32\_All-FA      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	=	20246411607	[42.79%]
Cycles for writes	=	5637317334	[11.91%]
Cycles for inst	=	21432391201	[45.30%]
Total time	=	47316120142	

Average cycles per activity:

Read	=	10.08
Write	=	4.55
Inst	=	7.01

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	=	11259288301	[98.24%]
Misses	=	201957788	[1.76%]
Total	=	11461246089	

Kickouts = 201957532, Dirty kickouts = 0, Transfers = 201957788

Memory level: L1d

Hits	=	5753056729	[97.03%]
Misses	=	175834887	[2.97%]
Total	=	5928891616	

Kickouts = 175834631, Dirty kickouts = 72136579, Transfers = 175834887

Memory level: L2

Hits	=	288582036	[64.14%]
Misses	=	161347218	[35.86%]
Total	=	449929254	

Kickouts = 161346706, Dirty kickouts = 44738929, Transfers = 161347218

Cost analysis:

L1i cache cost	=	\$1800
L1d cache cost	=	\$1800
L2 cache cost	=	\$500
Memory cost	=	\$175
Total cost	=	\$4275