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gobmk-All-4way      Simulation Results

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Number of reference types:

Number of reads	=	1922316435	[19.22%]
Number of writes	=	915303047	[9.15%]
Number of inst	=	7162380518	[71.62%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	11145746026	[18.66%]
Cycles for writes	=	11639084956	[19.48%]
Cycles for inst	=	36957387613	[61.86%]
Total time	=	59742218595	

Average cycles per activity:

Read	=	5.80
Write	=	12.72
Inst	=	5.16

Ideal: Exec. Time = 17162380518; CPI = 2.4

Ideal mis-aligned: Exec. Time = 25198023284; CPI = 3.52

Memory level: L1i

Hits	=	11768803275	[96.68%]
Misses	=	404409158	[3.32%]
Total	=	12173212433	

Kickouts = 404408902, Dirty kickouts = 0, Transfers = 404409158

Memory level: L1d

Hits	=	3900603297	[96.75%]
Misses	=	131220942	[3.25%]
Total	=	4031824239	

Kickouts = 131220686, Dirty kickouts = 82611655, Transfers = 131220942

Memory level: L2

Hits	=	441968289	[71.49%]
Misses	=	176273466	[28.51%]
Total	=	618241755	

Kickouts = 176272954, Dirty kickouts = 45735493, Transfers = 176273466

Cost analysis:

L1i cache cost	=	\$600
L1d cache cost	=	\$600
L2 cache cost	=	\$150
Memory cost	=	\$75
Total cost	=	\$1425