
sjeng-All-4way Simulation Results

Number of reference types:

Number of reads	=	1892411647	[18.92%]
Number of writes	=	751653128	[7.52%]
Number of inst	=	7355935225	[73.56%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	8636165396	[21.92%]
Cycles for writes	=	8263103150	[20.97%]
Cycles for inst	=	22497704605	[57.11%]
Total time	=	39396973151	

Average cycles per activity:

Read	=	4.56
Write	=	10.99
Inst	=	3.06

Ideal: Exec. Time = 17355935225; CPI = 2.36

Ideal mis-aligned: Exec. Time = 24792861569; CPI = 3.37

Memory level: L1i

Hits	=	12328177413	[98.28%]
Misses	=	216187392	[1.72%]
Total	=	12544364805	
Kickouts	=	216187136, Dirty kickouts = 0, Transfers = 216187392	

Memory level: L1d

Hits	=	3282438507	[96.85%]
Misses	=	106816776	[3.15%]
Total	=	3389255283	
Kickouts	=	106816520, Dirty kickouts = 58561243, Transfers = 106816776	

Memory level: L2

Hits	=	296123400	[77.61%]
Misses	=	85442011	[22.39%]
Total	=	381565411	
Kickouts	=	85441499, Dirty kickouts = 28630852, Transfers = 85442011	

Cost analysis:

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