
sjeng-L2-4way 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	=	8932406336	[22.15%]
Cycles for writes	=	8546934100	[21.20%]
Cycles for inst	=	22841733881	[56.65%]
Total time	=	40321074317	

Average cycles per activity:

Read	=	4.72
Write	=	11.37
Inst	=	3.11

Ideal: Exec. Time = 17355935225; CPI = 2.36

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

Memory level: L1i

Hits	=	12325337739	[98.25%]
Misses	=	219027066	[1.75%]
Total	=	12544364805	

Kickouts = 219026810, Dirty kickouts = 0, Transfers = 219027066

Memory level: L1d

Hits	=	3258299627	[96.14%]
Misses	=	130955656	[3.86%]
Total	=	3389255283	

Kickouts = 130955400, Dirty kickouts = 68155533, Transfers = 130955656

Memory level: L2

Hits	=	331323921	[79.24%]
Misses	=	86814334	[20.76%]
Total	=	418138255	

Kickouts = 86813822, Dirty kickouts = 29147141, Transfers = 86814334

Cost analysis:

L1i cache cost	=	\$400
L1d cache cost	=	\$400
L2 cache cost	=	\$150
Memory cost	=	\$75
Total cost	=	\$1025