
astar-Lli-small Simulation Results

Number of reference types:

Number of reads	=	2549106849	[25.49%]
Number of writes	=	626305991	[6.26%]
Number of inst	=	6824587160	[68.25%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	29020269056	[55.80%]
Cycles for writes	=	11432412937	[21.98%]
Cycles for inst	=	11556905551	[22.22%]
Total time	=	52009587544	

Average cycles per activity:

Read	=	11.38
Write	=	18.25
Inst	=	1.69

Ideal: Exec. Time = 16824587160; CPI = 2.47

Ideal mis-aligned: Exec. Time = 23929686467; CPI = 3.51

Memory level: Lli

Hits	=	11391567196	[99.98%]
Misses	=	2747677	[0.02%]
Total	=	11394314873	
Kickouts	=	2747549, Dirty kickouts = 0, Transfers = 2747677	

Memory level: Lld

Hits	=	4214841543	[94.54%]
Misses	=	243330909	[5.46%]
Total	=	4458172452	
Kickouts	=	243330653, Dirty kickouts = 94594555, Transfers = 243330909	

Memory level: L2

Hits	=	199425854	[58.54%]
Misses	=	141247287	[41.46%]
Total	=	340673141	
Kickouts	=	141246775, Dirty kickouts = 65821284, Transfers = 141247287	

Cost analysis:

Lli cache cost	=	\$100
Lld cache cost	=	\$200
L2 cache cost	=	\$50
Memory cost	=	\$75
Total cost	=	\$425