
gobmk-L1-2way Simulation Results

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	=	15208682795	[21.29%]
Cycles for writes	=	13465048175	[18.85%]
Cycles for inst	=	42753772271	[59.86%]
Total time	=	71427503241	

Average cycles per activity:

Read	=	7.91
Write	=	14.71
Inst	=	5.97

Ideal: Exec. Time = 17162380518; CPI = 2.4

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

Memory level: L1i

Hits	=	11760551202	[96.61%]
Misses	=	412661231	[3.39%]
Total	=	12173212433	
Kickouts	=	412660975, Dirty kickouts = 0, Transfers = 412661231	

Memory level: L1d

Hits	=	3875982042	[96.13%]
Misses	=	155842197	[3.87%]
Total	=	4031824239	
Kickouts	=	155841941, Dirty kickouts = 95078017, Transfers = 155842197	

Memory level: L2

Hits	=	425749513	[64.16%]
Misses	=	237831932	[35.84%]
Total	=	663581445	
Kickouts	=	237831420, Dirty kickouts = 58385376, Transfers = 237831932	

Cost analysis:

L1i cache cost	=	\$400
L1d cache cost	=	\$400
L2 cache cost	=	\$50
Memory cost	=	\$75
Total cost	=	\$925