
bzip2-Lld-small Simulation Results

Number of reference types:

Number of reads	=	1874397115	[18.74%]
Number of writes	=	567216161	[5.67%]
Number of inst	=	7558386724	[75.58%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	21179775524	[41.43%]
Cycles for writes	=	17952796895	[35.12%]
Cycles for inst	=	11988368687	[23.45%]
Total time	=	51120941106	

Average cycles per activity:

Read	=	11.30
Write	=	31.65
Inst	=	1.59

Ideal: Exec. Time = 17558386724; CPI = 2.32

Ideal mis-aligned: Exec. Time = 23201139335; CPI = 3.07

Memory level: L1i

Hits	=	11965504642	[99.99%]
Misses	=	1088311	[0.01%]
Total	=	11966592953	
Kickouts	=	1088055, Dirty kickouts = 0, Transfers = 1088311	

Memory level: L1d

Hits	=	2336029598	[91.91%]
Misses	=	205697738	[8.09%]
Total	=	2541727336	
Kickouts	=	205697610, Dirty kickouts = 84391651, Transfers = 205697738	

Memory level: L2

Hits	=	141441999	[48.58%]
Misses	=	149735701	[51.42%]
Total	=	291177700	
Kickouts	=	149735189, Dirty kickouts = 66392358, Transfers = 149735701	

Cost analysis:

L1i cache cost	=	\$200
L1d cache cost	=	\$100
L2 cache cost	=	\$50
Memory cost	=	\$75
Total cost	=	\$425