
bzip2-All-4way 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	=	19276483134	[38.35%]
Cycles for writes	=	19026076053	[37.85%]
Cycles for inst	=	11967495747	[23.81%]
Total time	=	50270054934	

Average cycles per activity:

Read	=	10.28
Write	=	33.54
Inst	=	1.58

Ideal: Exec. Time = 17558386724; CPI = 2.32

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

Memory level: L1i

Hits	=	11966585996	[100.00%]
Misses	=	6957	[0.00%]
Total	=	11966592953	
Kickouts	=	6701, Dirty kickouts = 0, Transfers = 6957	

Memory level: L1d

Hits	=	2378376456	[93.57%]
Misses	=	163350880	[6.43%]
Total	=	2541727336	
Kickouts	=	163350624, Dirty kickouts = 69948915, Transfers = 163350880	

Memory level: L2

Hits	=	79767974	[34.19%]
Misses	=	153538778	[65.81%]
Total	=	233306752	
Kickouts	=	153538266, Dirty kickouts = 63631592, Transfers = 153538778	

Cost analysis:

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