
bzip2-L2-4way 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	=	19218012465	[38.90%]
Cycles for writes	=	18215958176	[36.87%]
Cycles for inst	=	11967539859	[24.23%]
Total time	=	49401510500	

Average cycles per activity:

Read	=	10.25
Write	=	32.11
Inst	=	1.58

Ideal: Exec. Time = 17558386724; CPI = 2.32

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

Memory level: L1i

Hits	=	11966585724	[100.00%]
Misses	=	7229	[0.00%]
Total	=	11966592953	
Kickouts	=	6973, Dirty kickouts = 0, Transfers = 7229	

Memory level: L1d

Hits	=	2376682331	[93.51%]
Misses	=	165045005	[6.49%]
Total	=	2541727336	
Kickouts	=	165044749, Dirty kickouts = 70704191, Transfers = 165045005	

Memory level: L2

Hits	=	88469976	[37.53%]
Misses	=	147286449	[62.47%]
Total	=	235756425	
Kickouts	=	147285937, Dirty kickouts = 63727745, Transfers = 147286449	

Cost analysis:

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