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bzip2-L1-2way      Simulation Results

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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	=	20290282521	[39.02%]
Cycles for writes	=	19745481896	[37.97%]
Cycles for inst	=	11967529611	[23.01%]
Total time	=	52003294028	

Average cycles per activity:

Read	=	10.82
Write	=	34.81
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	=	72343025	[30.69%]
Misses	=	163413400	[69.31%]
Total	=	235756425	
Kickouts	=	163412888, Dirty kickouts = 65263422, Transfers = 163413400	

Cost analysis:

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