
bzip2-L1i-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	=	21168887421	[40.97%]
Cycles for writes	=	18509339581	[35.82%]
Cycles for inst	=	11990304675	[23.21%]
Total time	=	51668531677	

Average cycles per activity:

Read	=	11.29
Write	=	32.63
Inst	=	1.59

Ideal: Exec. Time = 17558386724; CPI = 2.32

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

Memory level: L1i

Hits	=	11965490130	[99.99%]
Misses	=	1102823	[0.01%]
Total	=	11966592953	
Kickouts	=	1102695, Dirty kickouts = 0, Transfers = 1102823	

Memory level: L1d

Hits	=	2360740266	[92.88%]
Misses	=	180987070	[7.12%]
Total	=	2541727336	
Kickouts	=	180986814, Dirty kickouts = 75658750, Transfers = 180987070	

Memory level: L2

Hits	=	100852695	[39.13%]
Misses	=	156895948	[60.87%]
Total	=	257748643	
Kickouts	=	156895436, Dirty kickouts = 66969959, Transfers = 156895948	

Cost analysis:

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