
bzip2-All-FA 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	=	18285268745	[38.77%]
Cycles for writes	=	16911508909	[35.86%]
Cycles for inst	=	11967484275	[25.37%]
Total time	=	47164261929	

Average cycles per activity:

Read	=	9.76
Write	=	29.81
Inst	=	1.58

Ideal: Exec. Time = 17558386724; CPI = 2.32

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

Memory level: L1i

Hits	=	11966586014	[100.00%]
Misses	=	6939	[0.00%]
Total	=	11966592953	
Kickouts	=	6683, Dirty kickouts = 0, Transfers = 6939	

Memory level: L1d

Hits	=	2379071440	[93.60%]
Misses	=	162655896	[6.40%]
Total	=	2541727336	
Kickouts	=	162655640, Dirty kickouts = 69711198, Transfers = 162655896	

Memory level: L2

Hits	=	99223380	[42.70%]
Misses	=	133150653	[57.30%]
Total	=	232374033	
Kickouts	=	133150141, Dirty kickouts = 63118740, Transfers = 133150653	

Cost analysis:

L1i cache cost	=	\$1800
L1d cache cost	=	\$1800
L2 cache cost	=	\$500
Memory cost	=	\$75
Total cost	=	\$4175