

Number of reference types:

Number of reads	=	2009285423	[20.09%]
Number of writes	=	1237898222	[12.38%]
Number of inst	=	6752816355	[67.53%]
Total	=	10000000000	

Total cycles for all activities:

Cycles for reads	=	39565087742	[45.80%]
Cycles for writes	=	8930456313	[10.34%]
Cycles for inst	=	37884706699	[43.86%]
Total time	=	86380250754	

Average cycles per activity:

Read	=	19.69
Write	=	7.21
Inst	=	12.79

Ideal: Exec. Time = 16752816355; CPI = 2.48

Ideal mis-aligned: Exec. Time = 26618750504; CPI = 3.94

Memory level: L1i

Hits	=	11006133158	[96.03%]
Misses	=	455112931	[3.97%]
Total	=	11461246089	
Kickouts	=	455112675, Dirty kickouts = 0, Transfers = 455112931	

Memory level: L1d

Hits	=	5423480899	[91.48%]
Misses	=	505410717	[8.52%]
Total	=	5928891616	
Kickouts	=	505410589, Dirty kickouts = 217210609, Transfers = 505410717	

Memory level: L2

Hits	=	814325803	[69.14%]
Misses	=	363408454	[30.86%]
Total	=	1177734257	
Kickouts	=	363407942, Dirty kickouts = 87599940, Transfers = 363408454	

Cost analysis:

L1i cache cost	=	\$200
L1d cache cost	=	\$100
L2 cache cost	=	\$50
Memory cost	=	\$175
Total cost	=	\$525