

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	=	20706193281	[41.78%]
Cycles for writes	=	5476576950	[11.05%]
Cycles for inst	=	23382550329	[47.18%]
Total time	=	49565320560	

Average cycles per activity:

Read	=	10.31
Write	=	4.42
Inst	=	7.34

Ideal: Exec. Time = 16752816355; CPI = 2.48

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

Memory level: L1i

Hits	=	11176886229	[97.52%]
Misses	=	284359860	[2.48%]
Total	=	11461246089	

Kickouts = 284359604, Dirty kickouts = 0, Transfers = 284359860

Memory level: L1d

Hits	=	5710864475	[96.32%]
Misses	=	218027141	[3.68%]
Total	=	5928891616	

Kickouts = 218026885, Dirty kickouts = 85447461, Transfers = 218027141

Memory level: L2

Hits	=	387962332	[66.00%]
Misses	=	199872130	[34.00%]
Total	=	587834462	

Kickouts = 199871618, Dirty kickouts = 51135782, Transfers = 199872130

Cost analysis:

L1i cache cost	=	\$600
L1d cache cost	=	\$600
L2 cache cost	=	\$150
Memory cost	=	\$275
Total cost	=	\$1625