

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	=	31605274530	[40.46%]
Cycles for writes	=	7652816852	[9.80%]
Cycles for inst	=	38851558423	[49.74%]
Total time	=	78109649805	

Average cycles per activity:

Read	=	15.73
Write	=	6.18
Inst	=	11.57

Ideal: Exec. Time = 16752816355; CPI = 2.48

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

Ideal execution time	=	16752816355	[CPI 2.48]
Ideal misaligned time	=	24142954060	[CPI 3.58]

Memory level: L1i

Hits	=	10791448034	[94.16%]
Misses	=	669798055	[5.84%]
Total	=	11461246089	

Kickouts = 669797927, Dirty kickouts = 0, Transfers = 669798055

Memory level: L1d

Hits	=	5562301532	[93.82%]
Misses	=	366590084	[6.18%]
Total	=	5928891616	

Kickouts = 366589828, Dirty kickouts = 162590750, Transfers = 366590084

Memory level: L2

Hits	=	830511583	[69.27%]
Misses	=	368467306	[30.73%]
Total	=	1198978889	

Kickouts = 368466794, Dirty kickouts = 85941999, Transfers = 368467306

Cost analysis:

L1i cache cost	=	\$100
L1d cache cost	=	\$200
L2 cache cost	=	\$50
Memory cost	=	\$275
Total cost	=	\$625