

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	=	22043371564	[41.40%]
Cycles for writes	=	5785888928	[10.87%]
Cycles for inst	=	25421035791	[47.74%]
Total time	=	53250296283	

Average cycles per activity:

Read	=	10.97
Write	=	4.67
Inst	=	7.89

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	=	11123145966	[97.05%]
Misses	=	338100123	[2.95%]
Total	=	11461246089	
Kickouts	=	338099867, Dirty kickouts = 0, Transfers = 338100123	

Memory level: L1d

Hits	=	5669434506	[95.62%]
Misses	=	259457110	[4.38%]
Total	=	5928891616	
Kickouts	=	259456854, Dirty kickouts = 105849456, Transfers = 259457110	

Memory level: L2

Hits	=	488279575	[69.42%]
Misses	=	215127114	[30.58%]
Total	=	703406689	
Kickouts	=	215126602, Dirty kickouts = 54668770, Transfers = 215127114	

Cost analysis:

L1i cache cost	=	\$400
L1d cache cost	=	\$400
L2 cache cost	=	\$150
Memory cost	=	\$275
Total cost	=	\$1225