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PS C:\Classes\2023-2024\CS 2160 - Assembly\PJ01_Camilla_Lucero> python -u "c:\Classes\2023-2024\CS 2160 - Assembly\PJ01_Camilla_Lucero\PJ01.py"
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Associativity = 1, BlockSize = 8

Number of Sets = 8192

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937833, Number of Writes = 929641, Number of Misses = 937833, Number of Hits = 62167

Access Time = 27445825.0 nanoseconds

Number of Sets = 8192

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 122952, Number of Writes = 114760, Number of Misses = 122952, Number of Hits = 877048

Access Time = 7073800.0 nanoseconds

Number of Sets = 8192

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937833, Number of Writes = 929641, Number of Misses = 937833, Number of Hits = 62167

Access Time = 25570159.0 nanoseconds

Number of Sets = 8192

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 122952, Number of Writes = 114760, Number of Misses = 122952, Number of Hits = 877048

Access Time = 6827896.0 nanoseconds

Associativity = 1, BlockSize = 16

Number of Sets = 4096

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937592, Number of Writes = 933496, Number of Misses = 937592, Number of Hits = 62408

Access Time = 27439800.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 109838, Number of Writes = 105742, Number of Misses = 109838, Number of Hits = 890162

Access Time = 6745950.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937592, Number of Writes = 933496, Number of Misses = 937592, Number of Hits = 62408

Access Time = 25564616.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 109838, Number of Writes = 105742, Number of Misses = 109838, Number of Hits = 890162

Access Time = 6526274.0 nanoseconds

Associativity = 1, BlockSize = 32

Number of Sets = 2048

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937674, Number of Writes = 935626, Number of Misses = 937674, Number of Hits = 62326

Access Time = 27441850.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 103301, Number of Writes = 101253, Number of Misses = 103301, Number of Hits = 896699

Access Time = 6582525.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937674, Number of Writes = 935626, Number of Misses = 937674, Number of Hits = 62326

Access Time = 25566502.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 103301, Number of Writes = 101253, Number of Misses = 103301, Number of Hits = 896699

Access Time = 6375923.0 nanoseconds

Associativity = 1, BlockSize = 64

Number of Sets = 1024

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937437, Number of Writes = 936413, Number of Misses = 937437, Number of Hits = 62563

Access Time = 27435925.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 100084, Number of Writes = 99060, Number of Misses = 100084, Number of Hits = 899916

Access Time = 6502100.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937437, Number of Writes = 936413, Number of Misses = 937437, Number of Hits = 62563

Access Time = 25561051.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 100084, Number of Writes = 99060, Number of Misses = 100084, Number of Hits = 899916

Access Time = 6301932.0 nanoseconds

Associativity = 1, BlockSize = 128

Number of Sets = 512

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937474, Number of Writes = 936962, Number of Misses = 937474, Number of Hits = 62526

Access Time = 27436850.0 nanoseconds

Number of Sets = 512

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 98655, Number of Writes = 98143, Number of Misses = 98655, Number of Hits = 901345

Access Time = 6466375.0 nanoseconds

Number of Sets = 512

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937474, Number of Writes = 936962, Number of Misses = 937474, Number of Hits = 62526

Access Time = 25561902.0 nanoseconds

Number of Sets = 512

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 98655, Number of Writes = 98143, Number of Misses = 98655, Number of Hits = 901345

Access Time = 6269065.0 nanoseconds

Associativity = 1, BlockSize = 256

Number of Sets = 256

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = LRU

Number of Reads = 937250, Number of Writes = 936994, Number of Misses = 937250, Number of Hits = 62750

Access Time = 27431250.0 nanoseconds

Number of Sets = 256

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = LRU

Number of Reads = 98314, Number of Writes = 98058, Number of Misses = 98314, Number of Hits = 901686

Access Time = 6457850.0 nanoseconds

Number of Sets = 256

Number of Blocks = 1

Random Config: Assoc. = 1, Policy = FIFO

Number of Reads = 937250, Number of Writes = 936994, Number of Misses = 937250, Number of Hits = 62750

Access Time = 25556750.0 nanoseconds

Number of Sets = 256

Number of Blocks = 1

NonRandom Config: Assoc. = 1, Policy = FIFO

Number of Reads = 98314, Number of Writes = 98058, Number of Misses = 98314, Number of Hits = 901686

Access Time = 6261222.0 nanoseconds

Associativity = 2, BlockSize = 8

Number of Sets = 4096

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937854, Number of Writes = 929662, Number of Misses = 937854, Number of Hits = 62146

Access Time = 27946350.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 142272, Number of Writes = 134080, Number of Misses = 142272, Number of Hits = 857728

Access Time = 8056800.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 937564, Number of Writes = 929372, Number of Misses = 937564, Number of Hits = 62436

Access Time = 26063972.0 nanoseconds

Number of Sets = 4096

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 169704, Number of Writes = 161512, Number of Misses = 169704, Number of Hits = 830296

Access Time = 8403192.0 nanoseconds

Associativity = 2, BlockSize = 16

Number of Sets = 2048

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937779, Number of Writes = 933683, Number of Misses = 937779, Number of Hits = 62221

Access Time = 27944475.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 129544, Number of Writes = 125448, Number of Misses = 129544, Number of Hits = 870456

Access Time = 7738600.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 938045, Number of Writes = 933949, Number of Misses = 938045, Number of Hits = 61955

Access Time = 26075035.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 152397, Number of Writes = 148301, Number of Misses = 152397, Number of Hits = 847603

Access Time = 8005131.0 nanoseconds

Associativity = 2, BlockSize = 32

Number of Sets = 1024

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937581, Number of Writes = 935533, Number of Misses = 937581, Number of Hits = 62419

Access Time = 27939525.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 123228, Number of Writes = 121180, Number of Misses = 123228, Number of Hits = 876772

Access Time = 7580700.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 937578, Number of Writes = 935530, Number of Misses = 937578, Number of Hits = 62422

Access Time = 26064294.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 144216, Number of Writes = 142168, Number of Misses = 144216, Number of Hits = 855784

Access Time = 7816968.0 nanoseconds

Associativity = 2, BlockSize = 64

Number of Sets = 512

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937217, Number of Writes = 936193, Number of Misses = 937217, Number of Hits = 62783

Access Time = 27930425.0 nanoseconds

Number of Sets = 512

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 120327, Number of Writes = 119303, Number of Misses = 120327, Number of Hits = 879673

Access Time = 7508175.0 nanoseconds

Number of Sets = 512

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 937304, Number of Writes = 936280, Number of Misses = 937304, Number of Hits = 62696

Access Time = 26057992.0 nanoseconds

Number of Sets = 512

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 139480, Number of Writes = 138456, Number of Misses = 139480, Number of Hits = 860520

Access Time = 7708040.0 nanoseconds

Associativity = 2, BlockSize = 128

Number of Sets = 256

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937438, Number of Writes = 936926, Number of Misses = 937438, Number of Hits = 62562

Access Time = 27935950.0 nanoseconds

Number of Sets = 256

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 119091, Number of Writes = 118579, Number of Misses = 119091, Number of Hits = 880909

Access Time = 7477275.0 nanoseconds

Number of Sets = 256

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 937386, Number of Writes = 936874, Number of Misses = 937386, Number of Hits = 62614

Access Time = 26059878.0 nanoseconds

Number of Sets = 256

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 137894, Number of Writes = 137382, Number of Misses = 137894, Number of Hits = 862106

Access Time = 7671562.0 nanoseconds

Associativity = 2, BlockSize = 256

Number of Sets = 128

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = LRU

Number of Reads = 937368, Number of Writes = 937112, Number of Misses = 937368, Number of Hits = 62632

Access Time = 27934200.0 nanoseconds

Number of Sets = 128

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = LRU

Number of Reads = 118442, Number of Writes = 118186, Number of Misses = 118442, Number of Hits = 881558

Access Time = 7461050.0 nanoseconds

Number of Sets = 128

Number of Blocks = 2

Random Config: Assoc. = 2, Policy = FIFO

Number of Reads = 937124, Number of Writes = 936868, Number of Misses = 937124, Number of Hits = 62876

Access Time = 26053852.0 nanoseconds

Number of Sets = 128

Number of Blocks = 2

NonRandom Config: Assoc. = 2, Policy = FIFO

Number of Reads = 137270, Number of Writes = 137014, Number of Misses = 137270, Number of Hits = 862730

Access Time = 7657210.0 nanoseconds

Associativity = 4, BlockSize = 8

Number of Sets = 2048

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 937826, Number of Writes = 929634, Number of Misses = 937826, Number of Hits = 62174

Access Time = 28445650.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 158512, Number of Writes = 150320, Number of Misses = 158512, Number of Hits = 841488

Access Time = 8962800.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 937806, Number of Writes = 929614, Number of Misses = 937806, Number of Hits = 62194

Access Time = 26569538.0 nanoseconds

Number of Sets = 2048

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 223848, Number of Writes = 215656, Number of Misses = 223848, Number of Hits = 776152

Access Time = 10148504.0 nanoseconds

Associativity = 4, BlockSize = 16

Number of Sets = 1024

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 937697, Number of Writes = 933601, Number of Misses = 937697, Number of Hits = 62303

Access Time = 28442425.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 147114, Number of Writes = 143018, Number of Misses = 147114, Number of Hits = 852886

Access Time = 8677850.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 937730, Number of Writes = 933634, Number of Misses = 937730, Number of Hits = 62270

Access Time = 26567790.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 203455, Number of Writes = 199359, Number of Misses = 203455, Number of Hits = 796545

Access Time = 9679465.0 nanoseconds

Associativity = 4, BlockSize = 32

Number of Sets = 512

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 937575, Number of Writes = 935527, Number of Misses = 937575, Number of Hits = 62425

Access Time = 28439375.0 nanoseconds

Number of Sets = 512

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 141150, Number of Writes = 139102, Number of Misses = 141150, Number of Hits = 858850

Access Time = 8528750.0 nanoseconds

Number of Sets = 512

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 937724, Number of Writes = 935676, Number of Misses = 937724, Number of Hits = 62276

Access Time = 26567652.0 nanoseconds

Number of Sets = 512

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 195298, Number of Writes = 193250, Number of Misses = 195298, Number of Hits = 804702

Access Time = 9491854.0 nanoseconds

Associativity = 4, BlockSize = 64

Number of Sets = 256

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 936992, Number of Writes = 935968, Number of Misses = 936992, Number of Hits = 63008

Access Time = 28424800.0 nanoseconds

Number of Sets = 256

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 138203, Number of Writes = 137179, Number of Misses = 138203, Number of Hits = 861797

Access Time = 8455075.0 nanoseconds

Number of Sets = 256

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 936912, Number of Writes = 935888, Number of Misses = 936912, Number of Hits = 63088

Access Time = 26548976.0 nanoseconds

Number of Sets = 256

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 188485, Number of Writes = 187461, Number of Misses = 188485, Number of Hits = 811515

Access Time = 9335155.0 nanoseconds

Associativity = 4, BlockSize = 128

Number of Sets = 128

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 937451, Number of Writes = 936939, Number of Misses = 937451, Number of Hits = 62549

Access Time = 28436275.0 nanoseconds

Number of Sets = 128

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 137560, Number of Writes = 137048, Number of Misses = 137560, Number of Hits = 862440

Access Time = 8439000.0 nanoseconds

Number of Sets = 128

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 937351, Number of Writes = 936839, Number of Misses = 937351, Number of Hits = 62649

Access Time = 26559073.0 nanoseconds

Number of Sets = 128

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 186364, Number of Writes = 185852, Number of Misses = 186364, Number of Hits = 813636

Access Time = 9286372.0 nanoseconds

Associativity = 4, BlockSize = 256

Number of Sets = 64

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = LRU

Number of Reads = 937466, Number of Writes = 937210, Number of Misses = 937466, Number of Hits = 62534

Access Time = 28436650.0 nanoseconds

Number of Sets = 64

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = LRU

Number of Reads = 136739, Number of Writes = 136483, Number of Misses = 136739, Number of Hits = 863261

Access Time = 8418475.0 nanoseconds

Number of Sets = 64

Number of Blocks = 4

Random Config: Assoc. = 4, Policy = FIFO

Number of Reads = 937341, Number of Writes = 937085, Number of Misses = 937341, Number of Hits = 62659

Access Time = 26558843.0 nanoseconds

Number of Sets = 64

Number of Blocks = 4

NonRandom Config: Assoc. = 4, Policy = FIFO

Number of Reads = 185780, Number of Writes = 185524, Number of Misses = 185780, Number of Hits = 814220

Access Time = 9272940.0 nanoseconds

Associativity = 8, BlockSize = 8

Number of Sets = 1024

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937789, Number of Writes = 929597, Number of Misses = 937789, Number of Hits = 62211

Access Time = 28944725.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 169087, Number of Writes = 160895, Number of Misses = 169087, Number of Hits = 830913

Access Time = 9727175.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937891, Number of Writes = 929699, Number of Misses = 937891, Number of Hits = 62109

Access Time = 27071493.0 nanoseconds

Number of Sets = 1024

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 255893, Number of Writes = 247701, Number of Misses = 255893, Number of Hits = 744107

Access Time = 11385539.0 nanoseconds

Associativity = 8, BlockSize = 16

Number of Sets = 512

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937745, Number of Writes = 933649, Number of Misses = 937745, Number of Hits = 62255

Access Time = 28943625.0 nanoseconds

Number of Sets = 512

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 158591, Number of Writes = 154495, Number of Misses = 158591, Number of Hits = 841409

Access Time = 9464775.0 nanoseconds

Number of Sets = 512

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937684, Number of Writes = 933588, Number of Misses = 937684, Number of Hits = 62316

Access Time = 27066732.0 nanoseconds

Number of Sets = 512

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 238678, Number of Writes = 234582, Number of Misses = 238678, Number of Hits = 761322

Access Time = 10989594.0 nanoseconds

Associativity = 8, BlockSize = 32

Number of Sets = 256

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937518, Number of Writes = 935470, Number of Misses = 937518, Number of Hits = 62482

Access Time = 28937950.0 nanoseconds

Number of Sets = 256

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 153150, Number of Writes = 151102, Number of Misses = 153150, Number of Hits = 846850

Access Time = 9328750.0 nanoseconds

Number of Sets = 256

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937553, Number of Writes = 935505, Number of Misses = 937553, Number of Hits = 62447

Access Time = 27063719.0 nanoseconds

Number of Sets = 256

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 226888, Number of Writes = 224840, Number of Misses = 226888, Number of Hits = 773112

Access Time = 10718424.0 nanoseconds

Associativity = 8, BlockSize = 64

Number of Sets = 128

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937168, Number of Writes = 936144, Number of Misses = 937168, Number of Hits = 62832

Access Time = 28929200.0 nanoseconds

Number of Sets = 128

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 150270, Number of Writes = 149246, Number of Misses = 150270, Number of Hits = 849730

Access Time = 9256750.0 nanoseconds

Number of Sets = 128

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937280, Number of Writes = 936256, Number of Misses = 937280, Number of Hits = 62720

Access Time = 27057440.0 nanoseconds

Number of Sets = 128

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 222878, Number of Writes = 221854, Number of Misses = 222878, Number of Hits = 777122

Access Time = 10626194.0 nanoseconds

Associativity = 8, BlockSize = 128

Number of Sets = 64

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937406, Number of Writes = 936894, Number of Misses = 937406, Number of Hits = 62594

Access Time = 28935150.0 nanoseconds

Number of Sets = 64

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 149810, Number of Writes = 149298, Number of Misses = 149810, Number of Hits = 850190

Access Time = 9245250.0 nanoseconds

Number of Sets = 64

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937672, Number of Writes = 937160, Number of Misses = 937672, Number of Hits = 62328

Access Time = 27066456.0 nanoseconds

Number of Sets = 64

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 218183, Number of Writes = 217671, Number of Misses = 218183, Number of Hits = 781817

Access Time = 10518209.0 nanoseconds

Associativity = 8, BlockSize = 256

Number of Sets = 32

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = LRU

Number of Reads = 937374, Number of Writes = 937118, Number of Misses = 937374, Number of Hits = 62626

Access Time = 28934350.0 nanoseconds

Number of Sets = 32

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = LRU

Number of Reads = 148620, Number of Writes = 148364, Number of Misses = 148620, Number of Hits = 851380

Access Time = 9215500.0 nanoseconds

Number of Sets = 32

Number of Blocks = 8

Random Config: Assoc. = 8, Policy = FIFO

Number of Reads = 937507, Number of Writes = 937251, Number of Misses = 937507, Number of Hits = 62493

Access Time = 27062661.0 nanoseconds

Number of Sets = 32

Number of Blocks = 8

NonRandom Config: Assoc. = 8, Policy = FIFO

Number of Reads = 218374, Number of Writes = 218118, Number of Misses = 218374, Number of Hits = 781626

Access Time = 10522602.0 nanoseconds

Associativity = 16, BlockSize = 8

Number of Sets = 512

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937712, Number of Writes = 929520, Number of Misses = 937712, Number of Hits = 62288

Access Time = 29442800.0 nanoseconds

Number of Sets = 512

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 173684, Number of Writes = 165492, Number of Misses = 173684, Number of Hits = 826316

Access Time = 10342100.0 nanoseconds

Number of Sets = 512

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 937725, Number of Writes = 929533, Number of Misses = 937725, Number of Hits = 62275

Access Time = 27567675.0 nanoseconds

Number of Sets = 512

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 269360, Number of Writes = 261168, Number of Misses = 269360, Number of Hits = 730640

Access Time = 12195280.0 nanoseconds

Associativity = 16, BlockSize = 16

Number of Sets = 256

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937910, Number of Writes = 933814, Number of Misses = 937910, Number of Hits = 62090

Access Time = 29447750.0 nanoseconds

Number of Sets = 256

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 163676, Number of Writes = 159580, Number of Misses = 163676, Number of Hits = 836324

Access Time = 10091900.0 nanoseconds

Number of Sets = 256

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 937522, Number of Writes = 933426, Number of Misses = 937522, Number of Hits = 62478

Access Time = 27563006.0 nanoseconds

Number of Sets = 256

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 251994, Number of Writes = 247898, Number of Misses = 251994, Number of Hits = 748006

Access Time = 11795862.0 nanoseconds

Associativity = 16, BlockSize = 32

Number of Sets = 128

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937406, Number of Writes = 935358, Number of Misses = 937406, Number of Hits = 62594

Access Time = 29435150.0 nanoseconds

Number of Sets = 128

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 158195, Number of Writes = 156147, Number of Misses = 158195, Number of Hits = 841805

Access Time = 9954875.0 nanoseconds

Number of Sets = 128

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 937706, Number of Writes = 935658, Number of Misses = 937706, Number of Hits = 62294

Access Time = 27567238.0 nanoseconds

Number of Sets = 128

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 242355, Number of Writes = 240307, Number of Misses = 242355, Number of Hits = 757645

Access Time = 11574165.0 nanoseconds

Associativity = 16, BlockSize = 64

Number of Sets = 64

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937289, Number of Writes = 936265, Number of Misses = 937289, Number of Hits = 62711

Access Time = 29432225.0 nanoseconds

Number of Sets = 64

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 155758, Number of Writes = 154734, Number of Misses = 155758, Number of Hits = 844242

Access Time = 9893950.0 nanoseconds

Number of Sets = 64

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 937341, Number of Writes = 936317, Number of Misses = 937341, Number of Hits = 62659

Access Time = 27558843.0 nanoseconds

Number of Sets = 64

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 235046, Number of Writes = 234022, Number of Misses = 235046, Number of Hits = 764954

Access Time = 11406058.0 nanoseconds

Associativity = 16, BlockSize = 128

Number of Sets = 32

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937425, Number of Writes = 936913, Number of Misses = 937425, Number of Hits = 62575

Access Time = 29435625.0 nanoseconds

Number of Sets = 32

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 154856, Number of Writes = 154344, Number of Misses = 154856, Number of Hits = 845144

Access Time = 9871400.0 nanoseconds

Number of Sets = 32

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 936960, Number of Writes = 936448, Number of Misses = 936960, Number of Hits = 63040

Access Time = 27550080.0 nanoseconds

Number of Sets = 32

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 233191, Number of Writes = 232679, Number of Misses = 233191, Number of Hits = 766809

Access Time = 11363393.0 nanoseconds

Associativity = 16, BlockSize = 256

Number of Sets = 16

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = LRU

Number of Reads = 937258, Number of Writes = 937002, Number of Misses = 937258, Number of Hits = 62742

Access Time = 29431450.0 nanoseconds

Number of Sets = 16

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = LRU

Number of Reads = 154465, Number of Writes = 154209, Number of Misses = 154465, Number of Hits = 845535

Access Time = 9861625.0 nanoseconds

Number of Sets = 16

Number of Blocks = 16

Random Config: Assoc. = 16, Policy = FIFO

Number of Reads = 937556, Number of Writes = 937300, Number of Misses = 937556, Number of Hits = 62444

Access Time = 27563788.0 nanoseconds

Number of Sets = 16

Number of Blocks = 16

NonRandom Config: Assoc. = 16, Policy = FIFO

Number of Reads = 232326, Number of Writes = 232070, Number of Misses = 232326, Number of Hits = 767674

Access Time = 11343498.0 nanoseconds

Associativity = 32, BlockSize = 8

Number of Sets = 256

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937801, Number of Writes = 929609, Number of Misses = 937801, Number of Hits = 62199

Access Time = 29945025.0 nanoseconds

Number of Sets = 256

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 175217, Number of Writes = 167025, Number of Misses = 175217, Number of Hits = 824783

Access Time = 10880425.0 nanoseconds

Number of Sets = 256

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937785, Number of Writes = 929593, Number of Misses = 937785, Number of Hits = 62215

Access Time = 28069055.0 nanoseconds

Number of Sets = 256

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 274871, Number of Writes = 266679, Number of Misses = 274871, Number of Hits = 725129

Access Time = 12822033.0 nanoseconds

Associativity = 32, BlockSize = 16

Number of Sets = 128

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937757, Number of Writes = 933661, Number of Misses = 937757, Number of Hits = 62243

Access Time = 29943925.0 nanoseconds

Number of Sets = 128

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 165243, Number of Writes = 161147, Number of Misses = 165243, Number of Hits = 834757

Access Time = 10631075.0 nanoseconds

Number of Sets = 128

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937914, Number of Writes = 933818, Number of Misses = 937914, Number of Hits = 62086

Access Time = 28072022.0 nanoseconds

Number of Sets = 128

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 259597, Number of Writes = 255501, Number of Misses = 259597, Number of Hits = 740403

Access Time = 12470731.0 nanoseconds

Associativity = 32, BlockSize = 32

Number of Sets = 64

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937545, Number of Writes = 935497, Number of Misses = 937545, Number of Hits = 62455

Access Time = 29938625.0 nanoseconds

Number of Sets = 64

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 160031, Number of Writes = 157983, Number of Misses = 160031, Number of Hits = 839969

Access Time = 10500775.0 nanoseconds

Number of Sets = 64

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937781, Number of Writes = 935733, Number of Misses = 937781, Number of Hits = 62219

Access Time = 28068963.0 nanoseconds

Number of Sets = 64

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 247797, Number of Writes = 245749, Number of Misses = 247797, Number of Hits = 752203

Access Time = 12199331.0 nanoseconds

Associativity = 32, BlockSize = 64

Number of Sets = 32

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937152, Number of Writes = 936128, Number of Misses = 937152, Number of Hits = 62848

Access Time = 29928800.0 nanoseconds

Number of Sets = 32

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 157691, Number of Writes = 156667, Number of Misses = 157691, Number of Hits = 842309

Access Time = 10442275.0 nanoseconds

Number of Sets = 32

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937644, Number of Writes = 936620, Number of Misses = 937644, Number of Hits = 62356

Access Time = 28065812.0 nanoseconds

Number of Sets = 32

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 241696, Number of Writes = 240672, Number of Misses = 241696, Number of Hits = 758304

Access Time = 12059008.0 nanoseconds

Associativity = 32, BlockSize = 128

Number of Sets = 16

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937412, Number of Writes = 936900, Number of Misses = 937412, Number of Hits = 62588

Access Time = 29935300.0 nanoseconds

Number of Sets = 16

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 156856, Number of Writes = 156344, Number of Misses = 156856, Number of Hits = 843144

Access Time = 10421400.0 nanoseconds

Number of Sets = 16

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937380, Number of Writes = 936868, Number of Misses = 937380, Number of Hits = 62620

Access Time = 28059740.0 nanoseconds

Number of Sets = 16

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 239077, Number of Writes = 238565, Number of Misses = 239077, Number of Hits = 760923

Access Time = 11998771.0 nanoseconds

Associativity = 32, BlockSize = 256

Number of Sets = 8

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = LRU

Number of Reads = 937223, Number of Writes = 936967, Number of Misses = 937223, Number of Hits = 62777

Access Time = 29930575.0 nanoseconds

Number of Sets = 8

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = LRU

Number of Reads = 156716, Number of Writes = 156460, Number of Misses = 156716, Number of Hits = 843284

Access Time = 10417900.0 nanoseconds

Number of Sets = 8

Number of Blocks = 32

Random Config: Assoc. = 32, Policy = FIFO

Number of Reads = 937382, Number of Writes = 937126, Number of Misses = 937382, Number of Hits = 62618

Access Time = 28059786.0 nanoseconds

Number of Sets = 8

Number of Blocks = 32

NonRandom Config: Assoc. = 32, Policy = FIFO

Number of Reads = 237160, Number of Writes = 236904, Number of Misses = 237160, Number of Hits = 762840

Access Time = 11954680.0 nanoseconds

Associativity = 64, BlockSize = 8

Number of Sets = 128

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937720, Number of Writes = 929528, Number of Misses = 937720, Number of Hits = 62280

Access Time = 30443000.0 nanoseconds

Number of Sets = 128

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 175792, Number of Writes = 167600, Number of Misses = 175792, Number of Hits = 824208

Access Time = 11394800.0 nanoseconds

Number of Sets = 128

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937567, Number of Writes = 929375, Number of Misses = 937567, Number of Hits = 62433

Access Time = 28564041.0 nanoseconds

Number of Sets = 128

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 278281, Number of Writes = 270089, Number of Misses = 278281, Number of Hits = 721719

Access Time = 13400463.0 nanoseconds

Associativity = 64, BlockSize = 16

Number of Sets = 64

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937681, Number of Writes = 933585, Number of Misses = 937681, Number of Hits = 62319

Access Time = 30442025.0 nanoseconds

Number of Sets = 64

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 165958, Number of Writes = 161862, Number of Misses = 165958, Number of Hits = 834042

Access Time = 11148950.0 nanoseconds

Number of Sets = 64

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937868, Number of Writes = 933772, Number of Misses = 937868, Number of Hits = 62132

Access Time = 28570964.0 nanoseconds

Number of Sets = 64

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 261623, Number of Writes = 257527, Number of Misses = 261623, Number of Hits = 738377

Access Time = 13017329.0 nanoseconds

Associativity = 64, BlockSize = 32

Number of Sets = 32

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937549, Number of Writes = 935501, Number of Misses = 937549, Number of Hits = 62451

Access Time = 30438725.0 nanoseconds

Number of Sets = 32

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 160993, Number of Writes = 158945, Number of Misses = 160993, Number of Hits = 839007

Access Time = 11024825.0 nanoseconds

Number of Sets = 32

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937689, Number of Writes = 935641, Number of Misses = 937689, Number of Hits = 62311

Access Time = 28566847.0 nanoseconds

Number of Sets = 32

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 251437, Number of Writes = 249389, Number of Misses = 251437, Number of Hits = 748563

Access Time = 12783051.0 nanoseconds

Associativity = 64, BlockSize = 64

Number of Sets = 16

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937188, Number of Writes = 936164, Number of Misses = 937188, Number of Hits = 62812

Access Time = 30429700.0 nanoseconds

Number of Sets = 16

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 158626, Number of Writes = 157602, Number of Misses = 158626, Number of Hits = 841374

Access Time = 10965650.0 nanoseconds

Number of Sets = 16

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937173, Number of Writes = 936149, Number of Misses = 937173, Number of Hits = 62827

Access Time = 28554979.0 nanoseconds

Number of Sets = 16

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 245962, Number of Writes = 244938, Number of Misses = 245962, Number of Hits = 754038

Access Time = 12657126.0 nanoseconds

Associativity = 64, BlockSize = 128

Number of Sets = 8

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937303, Number of Writes = 936791, Number of Misses = 937303, Number of Hits = 62697

Access Time = 30432575.0 nanoseconds

Number of Sets = 8

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 157735, Number of Writes = 157223, Number of Misses = 157735, Number of Hits = 842265

Access Time = 10943375.0 nanoseconds

Number of Sets = 8

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937359, Number of Writes = 936847, Number of Misses = 937359, Number of Hits = 62641

Access Time = 28559257.0 nanoseconds

Number of Sets = 8

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 242313, Number of Writes = 241801, Number of Misses = 242313, Number of Hits = 757687

Access Time = 12573199.0 nanoseconds

Associativity = 64, BlockSize = 256

Number of Sets = 4

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = LRU

Number of Reads = 937254, Number of Writes = 936998, Number of Misses = 937254, Number of Hits = 62746

Access Time = 30431350.0 nanoseconds

Number of Sets = 4

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = LRU

Number of Reads = 157169, Number of Writes = 156913, Number of Misses = 157169, Number of Hits = 842831

Access Time = 10929225.0 nanoseconds

Number of Sets = 4

Number of Blocks = 64

Random Config: Assoc. = 64, Policy = FIFO

Number of Reads = 937682, Number of Writes = 937426, Number of Misses = 937682, Number of Hits = 62318

Access Time = 28566686.0 nanoseconds

Number of Sets = 4

Number of Blocks = 64

NonRandom Config: Assoc. = 64, Policy = FIFO

Number of Reads = 241138, Number of Writes = 240882, Number of Misses = 241138, Number of Hits = 758862

Access Time = 12546174.0 nanoseconds

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Associativity = 128, BlockSize = 8

Number of Sets = 64

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937774, Number of Writes = 929582, Number of Misses = 937774, Number of Hits = 62226

Access Time = 30944350.0 nanoseconds

Number of Sets = 64

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 176092, Number of Writes = 167900, Number of Misses = 176092, Number of Hits = 823908

Access Time = 11902300.0 nanoseconds

Number of Sets = 64

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 937860, Number of Writes = 929668, Number of Misses = 937860, Number of Hits = 62140

Access Time = 29070780.0 nanoseconds

Number of Sets = 64

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 279762, Number of Writes = 271570, Number of Misses = 279762, Number of Hits = 720238

Access Time = 13934526.0 nanoseconds

Associativity = 128, BlockSize = 16

Number of Sets = 32

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937666, Number of Writes = 933570, Number of Misses = 937666, Number of Hits = 62334

Access Time = 30941650.0 nanoseconds

Number of Sets = 32

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 166214, Number of Writes = 162118, Number of Misses = 166214, Number of Hits = 833786

Access Time = 11655350.0 nanoseconds

Number of Sets = 32

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 938022, Number of Writes = 933926, Number of Misses = 938022, Number of Hits = 61978

Access Time = 29074506.0 nanoseconds

Number of Sets = 32

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 263091, Number of Writes = 258995, Number of Misses = 263091, Number of Hits = 736909

Access Time = 13551093.0 nanoseconds

Associativity = 128, BlockSize = 32

Number of Sets = 16

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937620, Number of Writes = 935572, Number of Misses = 937620, Number of Hits = 62380

Access Time = 30940500.0 nanoseconds

Number of Sets = 16

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 161287, Number of Writes = 159239, Number of Misses = 161287, Number of Hits = 838713

Access Time = 11532175.0 nanoseconds

Number of Sets = 16

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 937553, Number of Writes = 935505, Number of Misses = 937553, Number of Hits = 62447

Access Time = 29063719.0 nanoseconds

Number of Sets = 16

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 253033, Number of Writes = 250985, Number of Misses = 253033, Number of Hits = 746967

Access Time = 13319759.0 nanoseconds

Associativity = 128, BlockSize = 64

Number of Sets = 8

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937156, Number of Writes = 936132, Number of Misses = 937156, Number of Hits = 62844

Access Time = 30928900.0 nanoseconds

Number of Sets = 8

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 159006, Number of Writes = 157982, Number of Misses = 159006, Number of Hits = 840994

Access Time = 11475150.0 nanoseconds

Number of Sets = 8

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 937411, Number of Writes = 936387, Number of Misses = 937411, Number of Hits = 62589

Access Time = 29060453.0 nanoseconds

Number of Sets = 8

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 248170, Number of Writes = 247146, Number of Misses = 248170, Number of Hits = 751830

Access Time = 13207910.0 nanoseconds

Associativity = 128, BlockSize = 128

Number of Sets = 4

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937394, Number of Writes = 936882, Number of Misses = 937394, Number of Hits = 62606

Access Time = 30934850.0 nanoseconds

Number of Sets = 4

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 157780, Number of Writes = 157268, Number of Misses = 157780, Number of Hits = 842220

Access Time = 11444500.0 nanoseconds

Number of Sets = 4

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 937722, Number of Writes = 937210, Number of Misses = 937722, Number of Hits = 62278

Access Time = 29067606.0 nanoseconds

Number of Sets = 4

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 243976, Number of Writes = 243464, Number of Misses = 243976, Number of Hits = 756024

Access Time = 13111448.0 nanoseconds

Associativity = 128, BlockSize = 256

Number of Sets = 2

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = LRU

Number of Reads = 937302, Number of Writes = 937046, Number of Misses = 937302, Number of Hits = 62698

Access Time = 30932550.0 nanoseconds

Number of Sets = 2

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = LRU

Number of Reads = 157580, Number of Writes = 157324, Number of Misses = 157580, Number of Hits = 842420

Access Time = 11439500.0 nanoseconds

Number of Sets = 2

Number of Blocks = 128

Random Config: Assoc. = 128, Policy = FIFO

Number of Reads = 937464, Number of Writes = 937208, Number of Misses = 937464, Number of Hits = 62536

Access Time = 29061672.0 nanoseconds

Number of Sets = 2

Number of Blocks = 128

NonRandom Config: Assoc. = 128, Policy = FIFO

Number of Reads = 241735, Number of Writes = 241479, Number of Misses = 241735, Number of Hits = 758265

Access Time = 13059905.0 nanoseconds

Associativity = 256, BlockSize = 8

Number of Sets = 32

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937736, Number of Writes = 929544, Number of Misses = 937736, Number of Hits = 62264

Access Time = 31443400.0 nanoseconds

Number of Sets = 32

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 176308, Number of Writes = 168116, Number of Misses = 176308, Number of Hits = 823692

Access Time = 12407700.0 nanoseconds

Number of Sets = 32

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937678, Number of Writes = 929486, Number of Misses = 937678, Number of Hits = 62322

Access Time = 29566594.0 nanoseconds

Number of Sets = 32

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 280098, Number of Writes = 271906, Number of Misses = 280098, Number of Hits = 719902

Access Time = 14442254.0 nanoseconds

Associativity = 256, BlockSize = 16

Number of Sets = 16

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937692, Number of Writes = 933596, Number of Misses = 937692, Number of Hits = 62308

Access Time = 31442300.0 nanoseconds

Number of Sets = 16

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 166423, Number of Writes = 162327, Number of Misses = 166423, Number of Hits = 833577

Access Time = 12160575.0 nanoseconds

Number of Sets = 16

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937524, Number of Writes = 933428, Number of Misses = 937524, Number of Hits = 62476

Access Time = 29563052.0 nanoseconds

Number of Sets = 16

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 263580, Number of Writes = 259484, Number of Misses = 263580, Number of Hits = 736420

Access Time = 14062340.0 nanoseconds

Associativity = 256, BlockSize = 32

Number of Sets = 8

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937541, Number of Writes = 935493, Number of Misses = 937541, Number of Hits = 62459

Access Time = 31438525.0 nanoseconds

Number of Sets = 8

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 161566, Number of Writes = 159518, Number of Misses = 161566, Number of Hits = 838434

Access Time = 12039150.0 nanoseconds

Number of Sets = 8

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937589, Number of Writes = 935541, Number of Misses = 937589, Number of Hits = 62411

Access Time = 29564547.0 nanoseconds

Number of Sets = 8

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 253375, Number of Writes = 251327, Number of Misses = 253375, Number of Hits = 746625

Access Time = 13827625.0 nanoseconds

Associativity = 256, BlockSize = 64

Number of Sets = 4

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937146, Number of Writes = 936122, Number of Misses = 937146, Number of Hits = 62854

Access Time = 31428650.0 nanoseconds

Number of Sets = 4

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 159175, Number of Writes = 158151, Number of Misses = 159175, Number of Hits = 840825

Access Time = 11979375.0 nanoseconds

Number of Sets = 4

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937173, Number of Writes = 936149, Number of Misses = 937173, Number of Hits = 62827

Access Time = 29554979.0 nanoseconds

Number of Sets = 4

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 248695, Number of Writes = 247671, Number of Misses = 248695, Number of Hits = 751305

Access Time = 13719985.0 nanoseconds

Associativity = 256, BlockSize = 128

Number of Sets = 2

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937430, Number of Writes = 936918, Number of Misses = 937430, Number of Hits = 62570

Access Time = 31435750.0 nanoseconds

Number of Sets = 2

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 158189, Number of Writes = 157677, Number of Misses = 158189, Number of Hits = 841811

Access Time = 11954725.0 nanoseconds

Number of Sets = 2

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937571, Number of Writes = 937059, Number of Misses = 937571, Number of Hits = 62429

Access Time = 29564133.0 nanoseconds

Number of Sets = 2

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 244227, Number of Writes = 243715, Number of Misses = 244227, Number of Hits = 755773

Access Time = 13617221.0 nanoseconds

Associativity = 256, BlockSize = 256

Number of Sets = 1

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = LRU

Number of Reads = 937398, Number of Writes = 937142, Number of Misses = 937398, Number of Hits = 62602

Access Time = 31434950.0 nanoseconds

Number of Sets = 1

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = LRU

Number of Reads = 157866, Number of Writes = 157610, Number of Misses = 157866, Number of Hits = 842134

Access Time = 11946650.0 nanoseconds

Number of Sets = 1

Number of Blocks = 256

Random Config: Assoc. = 256, Policy = FIFO

Number of Reads = 937478, Number of Writes = 937222, Number of Misses = 937478, Number of Hits = 62522

Access Time = 29561994.0 nanoseconds

Number of Sets = 1

Number of Blocks = 256

NonRandom Config: Assoc. = 256, Policy = FIFO

Number of Reads = 242466, Number of Writes = 242210, Number of Misses = 242466, Number of Hits = 757534

Access Time = 13576718.0 nanoseconds

