**Direct Mapping**

1. Cache Hits: 1301327

Cache Misses: 198673

Total Access: 1500000.000000

Cache Hit rate: 0.867551

Cache miss rate: 0.132449

**Fully Associative**

1. Cache size = 32KB

Cache line size = **16** Byte

Cache Hits: 1325236

Cache Misses: 174764

Total Access: 1500000.000000

Cache Hit rate: 0.883491

Cache miss rate: 0.116509

1. Cache size = 32KB

Cache line size = **32** Byte

Cache Hits: 1299253

Cache Misses: 200747

Total Access: 1500000.000000

Cache Hit rate: 0.866169

Cache miss rate: 0.133831

1. Cache size = 32KB

Cache line size = **128** Byte

Cache Hits: 1369996

Cache Misses: 130004

Total Access: 1500000.000000

Cache Hit rate: 0.913331

Cache miss rate: 0.086669

1. Cache size = **16KB**

Cache line size = 64 Byte

Cache Hits: 1312927

Cache Misses: 187073

Total Access: 1500000.000000

Cache Hit rate: 0.875285

Cache miss rate: 0.124715

1. Cache size = **32KB**

Cache line size = 64 Byte

Cache Hits: 1321520

Cache Misses: 178480

Total Access: 1500000.000000

Cache Hit rate: 0.881013

Cache miss rate: 0.118987

1. Cache size = **64KB**

Cache line size = 64 Byte

Cache Hits: 1325236

Cache Misses: 174764

Total Access: 1500000.000000

Cache Hit rate: 0.883491

Cache miss rate: 0.116509

**N - Way Mapping**

1. Cache size = 32KB

Way Size = 8

Cache line size = **16** Byte

Cache Hits: 9516250

Cache Misses: 305024

Total Access: 9821274.000000

Cache Hit rate: 0.968943

Cache miss rate: 0.031057

1. Cache size = 32KB

Way Size = 4

Cache line size = **32** Byte

Cache Hits: 4845452

Cache Misses: 287174

Total Access: 5132626.000000

Cache Hit rate: 0.944049

Cache miss rate: 0.055951

1. Cache size = 32KB

Way Size = 2

Cache line size = **128** Byte

Cache Hits: 2520745

Cache Misses: 238639

Total Access: 2759384.000000

Cache Hit rate: 0.913517

Cache miss rate: 0.086483

1. Cache size = **16KB**

Way Size = 8

Cache line size = 64 Byte

Cache Hits: 7155190

Cache Misses: 605379

Total Access: 7760569.000000

Cache Hit rate: 0.921993

Cache miss rate: 0.078007

1. Cache size = **32KB**

Way Size = 4

Cache line size = 64 Byte

Cache Hits: 4564869

Cache Misses: 357938

Total Access: 4922807.000000

Cache Hit rate: 0.927290

Cache miss rate: 0.072710

1. Cache size = **64KB**

Way Size = 2

Cache line size = 64 Byte

Cache Hits: 2466460

Cache Misses: 265752

Total Access: 2732212.000000

Cache Hit rate: 0.902734

Cache miss rate: 0.097266

**Two-Level Direct Mapping**

L1 is a 2-way, 64KB cache, with 64B block size

L2 is an 8- way, 1MB cache, with 64B block size

L2 global miss rate: 0.102498

L2 local miss rate: 0.110015

L2 global hit rate: 0.897502

L2 local hit rate: 0.889985

**Two-Level N-Way Mapping**

L2 global miss rate: 0.080731

L2 local miss rate: 0.089742

L2 global hit rate: 0.919269

L2 local hit rate: 0.910258