**Direct Mapping**

Cache Hits: 1059918

Cache Misses: 2174137

Total Access: 3234055.000000

Cache Hit rate: 0.327737

Cache miss rate: 0.672263

**Fully Associative**

1. Cache size = 32KB

Cache line size = **16** Byte

Cache Hits: 1054383

Cache Misses: 2179672

Total Access: 3234055.000000

Cache Hit rate: 0.326025

Cache miss rate: 0.673975

1. Cache size = 32KB

Cache line size = **32** Byte

Cache Hits: 1069009

Cache Misses: 2165046

Total Access: 3234055.000000

Cache Hit rate: 0.330548

Cache miss rate: 0.669452

1. Cache size = 32KB

Cache line size = **128** Byte

Cache Hits: 1078599

Cache Misses: 2155456

Total Access: 3234055.000000

Cache Hit rate: 0.333513

Cache miss rate: 0.666487

1. Cache size = **16KB**

Cache line size = 64 Byte

Cache Hits: 1074136

Cache Misses: 2159919

Total Access: 3234055.000000

Cache Hit rate: 0.332133

Cache miss rate: 0.667867

1. Cache size = **32KB**

Cache line size = 64 Byte

Cache Hits: 1075730

Cache Misses: 2158325

Total Access: 3234055.000000

Cache Hit rate: 0.332626

Cache miss rate: 0.667374

1. Cache size = **64KB**

Cache line size = 64 Byte

Cache Hits: 1076571

Cache Misses: 2157484

Total Access: 3234055.000000

Cache Hit rate: 0.332886

Cache miss rate: 0.667114

**N - Way Mapping**

1. Cache size = 32KB

Way Size = 8

Cache line size = **16** Byte

Cache Hits: 7835687

Cache Misses: 2247227

Total Access: 10082914.000000

Cache Hit rate: 0.777125

Cache miss rate: 0.222875

1. Cache size = 32KB

Way Size = 4

Cache line size = **32** Byte

Cache Hits: 4078510

Cache Misses: 2207636

Total Access: 6286146.000000

Cache Hit rate: 0.648809

Cache miss rate: 0.351191

1. Cache size = 32KB

Way Size = 2

Cache line size = **128** Byte

Cache Hits: 2016184

Cache Misses: 2222105

Total Access: 4238289.000000

Cache Hit rate: 0.475707

Cache miss rate: 0.524293

1. Cache size = **16KB**

Way Size = 8

Cache line size = 64 Byte

Cache Hits: 6299496

Cache Misses: 2444618

Total Access: 8744114.000000

Cache Hit rate: 0.720427

Cache miss rate: 0.279573

1. Cache size = **32KB**

Way Size = 4

Cache line size = 64 Byte

Cache Hits: 3953150

Cache Misses: 2239556

Total Access: 6192706.000000

Cache Hit rate: 0.638356

Cache miss rate: 0.361644

1. Cache size = **64KB**

Way Size = 2

Cache line size = 64 Byte

Cache Hits: 2090729

Cache Misses: 2174137

Total Access: 4264866.000000

Cache Hit rate: 0.490221

Cache miss rate: 0.509779

**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: 0.399455

L2 local miss rate: 0.401007

L2 global hit rate: 0.600545

L2 local hit rate: 0.598993

**Two-Level N-Way Mapping**

L2 global miss rate: 0.330789

L2 local miss rate: 0.332860

L2 global hit rate: 0.669211

L2 local hit rate: 0.667140