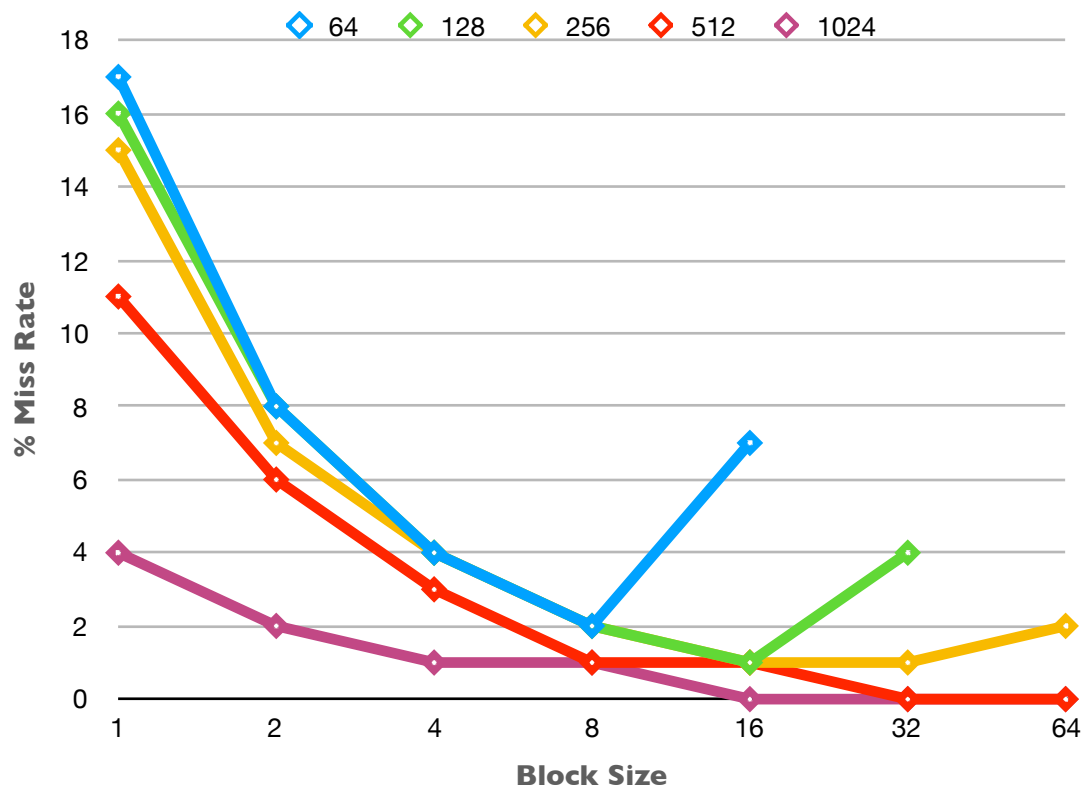


## Direct-Mapped Cache

Block Size / Cache Size	1	2	4	8	16	32
64	MR = %17 #m = 66281	MR = % 8 #m = 33376	MR = %4 #m = 17098	MR = %2 #m = 8719	MR = %7 #m = 29190	
128	MR = %16 #m = 64104	MR = %8 #m = 32283	MR = %4 #m = 16359	MR = %2 #m = 8432	MR = %1 #m = 4463	MR = %4 #m = 14708
256	MR = %15 #m = 58683	MR = %7 #m = 29552	MR = %4 #m = 14971	MR = %2 #m = 7700	MR = %1 #m = 4071	MR = %1 #m = 2254
512	MR = %11 #m = 43812	MR = %6 #m = 22087	MR = %3 #m = 11213	MR = %1 #m = 5783	MR = %1 #m = 3068	MR = %0 #m = 1716
1024	MR = %4 #m = 16553	MR = %2 #m = 8382	MR = %1 #m = 4262	MR = %1 #m = 2224	MR = %0 #m = 1204	MR = %0 #m = 695



## Fully-Associative Caches

	Direct Mapped	Fully Associative(LRU)	Fully Associative(Rnd)
<b>Block Size = 1</b> <b>Cache Size = 64</b>	MR = %17 #m = 66281	MR = %17 #m = 66641	MR = %18 #m = 70595
<b>Block Size = 2</b> <b>Cache Size = 256</b>	MR = %7 #m = 29552	MR = %8 #m = 31166	MR = %8 #m = 30411
<b>Block Size = 32</b> <b>Cache Size = 1024</b>	MR = %0 #m = 695	MR = %0 #m = 1113	MR = %0 #m = 926

## N-Way Associative Caches

	2-Way Associative	4-Way Associative	8-Way Associative	16-Way Associative
<b>Block Size = 1</b> <b>Cache Size = 64</b>	MR = %17 #m = 66482	MR = %17 #m = 66569	MR = %17 #m = 66624	MR = %17 #m = 66641
<b>Block Size = 2</b> <b>Cache Size = 256</b>	MR = %8 #m = 30420	MR = %8 #m = 30811	MR = %8 #m = 30974	MR = %8 #m = 31138
<b>Block Size = 16</b> <b>Cache Size = 1024</b>	MR = %0 #m = 1598	MR = %0 #m = 1828	MR = %0 #m = 1963	MR = %1 #m = 2066

**Size = 750**

## Fully-Associative Caches

	Direct Mapped	Fully Associative(LRU)	Fully Associative(Rnd)
<b>Block Size = 1</b> <b>Cache Size = 64</b>	MR = %17 #m = 143423	MR = %17 #m = 143814	MR = %17 #m = 296621
<b>Block Size = 2</b> <b>Cache Size = 256</b>	MR = %7 #m = 67372	MR = %8 #m = 69465	MR = %8 #m = 69387
<b>Block Size = 32</b> <b>Cache Size = 1024</b>	MR = %0 #m = 2495	MR = %0 #m = 3226	MR = %0 #m = 3119

## N-Way Associative Caches

	2-Way Associative	4-Way Associative	8-Way Associative	16-Way Associative
<b>Block Size = 1</b> <b>Cache Size = 64</b>	MR = %17 #m = 66482	MR = %17 #m = 66569	MR = %17 #m = 66624	MR = %17 #m = 66641
<b>Block Size = 2</b> <b>Cache Size = 256</b>	MR = %8 #m = 30420	MR = %8 #m = 30811	MR = %8 #m = 30974	MR = %8 #m = 31138
<b>Block Size = 16</b> <b>Cache Size = 1024</b>	MR = %0 #m = 1598	MR = %0 #m = 1828	MR = %0 #m = 1963	MR = %1 #m = 2066

**Size = 1000**

### Fully-Associative Caches

	Direct Mapped	Fully Associative(LRU)	Fully Associative(Rnd)
Block Size = 1 Cache Size = 64	MR = %17 #m = 246217	MR = %17 #m = 246661	MR = %18 #m = 262573
Block Size = 2 Cache Size = 256	MR = %7 #m = 118337	MR = %8 #m = 120826	MR = %8 #m = 242713
Block Size = 32 Cache Size = 1024	MR = %0 #m = 5224	MR = %0 #m = 6221	MR = %0 #m = 6235

### N-Way Associative Caches

	2-Way Associative	4-Way Associative	8-Way Associative	16-Way Associative
Block Size = 1 Cache Size = 64	MR = %17 #m = 246436	MR = %17 #m = 246549	MR = %17 #m = 246632	MR = %17 #m = 246661
Block Size = 2 Cache Size = 256	MR = %8 #m = 119653	MR = %8 #m = 120292	MR = %8 #m = 120557	MR = %8 #m = 120769
Block Size = 16 Cache Size = 1024	MR = %0 #m = 10804	MR = %0 #m = 11386	MR = %1 #m = 11681	MR = %1 #m = 11863