Homework 6

Machine Information
- Name: koala5
- CPU: Intel® Core™ i7-4790 @ 3.60GHz
- Memory: 16GB
- Cache
  - L1d: 32K
  - L2i: 32K
  - L2: 256K
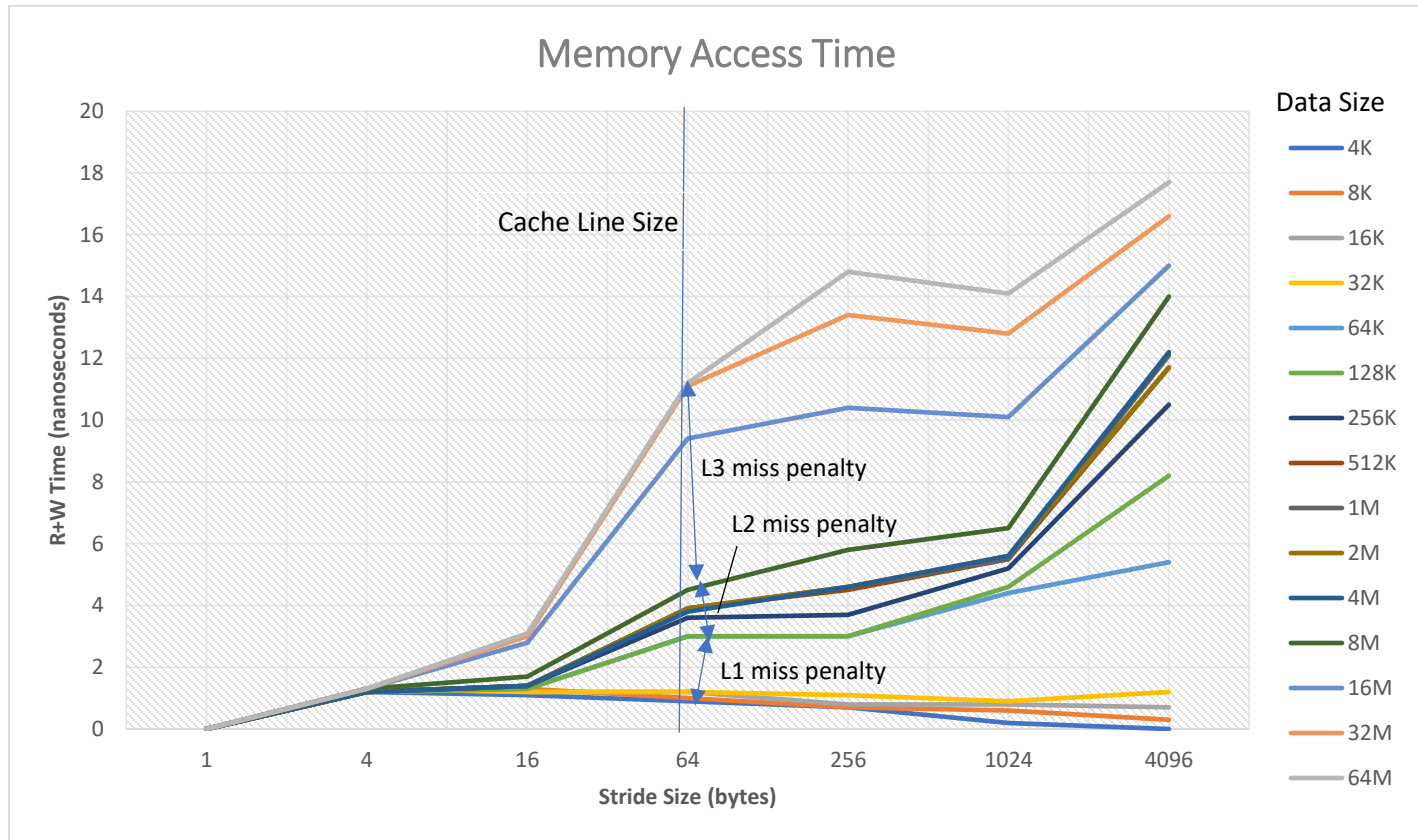 - L3: 8192K
  - Cache line size = 64

Memory Access Time

Data Size
- 4K
- 8K
- 16K
- 32K
- 64K
- 128K
- 256K
- 512K
- 1M
- 2M
- 4M
- 8M
- 16M
- 32M
- 64M

Cache Line Size

L3 miss penalty

L2 miss penalty

L1 miss penalty

R+W Time (nanoseconds)

Stride Size (bytes)

Figure 0: Cache Performance of koala5

	L1 hit	L1 miss penalty	L2 miss penalty	L3 miss penalty
time (ns)	0.9	2.1	1.5	6.7