York University
Dept. of Computer Science and Engineering
CSE4201
HW 4

Assume a memory space of 16 bits. How many misses, and what is the content of the cache after the following memory reference sequence.

0x0412   0x1412   0x1514   0x7413   0x2412   0x0413
0x7444   0x2814

1. Considering a direct mapped cache with total data size of 4KB and a line size of 8 bytes.
2. Considering a fully associative cache (same size and line size as above).
3. 2-way set associative cache (same size and line size as above).
4. 4-way set associative cache (same size and line size as above).