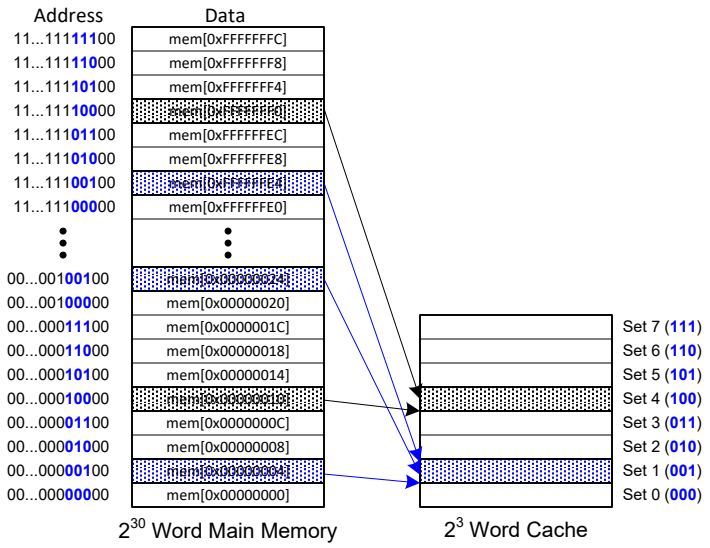
Address
Data
11...111111100
mem[0xFFFFFFFC]
11...111110100
mem[0xFFFFFFF8]
11...111101100
mem[0xFFFFFFF4]
11...111100100
mem[0xFFFFFFF0]
11...111011100
mem[0xFFFFFFEC]
11...111010100
mem[0xFFFFFFE8]
11...111001100
mem[0xFFFFFFE4]
11...111000100
mem[0xFFFFFFE0]
00...001001100
mem[0x00000024]
00...001000100
mem[0x00000020]
00...000111100
mem[0x0000001C]
00...000110100
mem[0x00000018]
00...000101100
mem[0x00000014]
00...000100100
mem[0x00000010]
00...000011100
mem[0x0000000C]
00...000010100
mem[0x00000008]
00...000001100
mem[0x00000004]
00...000000100
mem[0x00000000]
2^{30} Word Main Memory
2^3 Word Cache
Set 7 (111)
Set 6 (110)
Set 5 (101)
Set 4 (100)
Set 3 (011)
Set 2 (010)
Set 1 (001)
Set 0 (000)