

CSE 140 - HW5

3- $0x03, 0xb4, 0x2b, 0x02, 0xbf, 0x58, 0xbe, 0xe, 0xb5, 0x2c$
 $0xba, 0xfd$

a) For each of these references, identify the tag and index field values

b) For each of the references above, identify if each reference is a hit or a miss, assuming the cache is initially empty

*Solving both problems together

- block size = 8B
- block offset size = 3 bits
- Cache block = 8
- Index bits = 3 bits

Address	Binary	Tag	Index	Hit/Miss
0x03	0000 0011	0	0	miss
0xb4	1011 0100	1	6	miss
0x2b	0010 1011	0	5	miss
0x02	0000 0010	0	0	hit
0xbf	1011 1111	2	7	miss
0x58	0101 1000	1	3	miss
0xbe	1011 1110	2	7	hit
0xe	0000 1110	0	1	miss
0xb5	1011 0101	2	6	miss
0x2c	0010 1100	0	5	hit
0xba	1011 1010	2	7	hit
0xfd	1111 1001	3	7	miss