Problem	tag	26 CI	4 lByse	, 2
$\langle v \rangle$	BySe	CI	tag	Hit/Miss
24	0	0110	0	Miss
856	0	0110	0	Miss
700	0	Ш	1010	Miss
856	0	0 0	101	Hit
24	0	0110	0000	Miss
336	0	0100	0 0	Miss
260	0	000	000	Miss
696	0	(1 0		Miss
256	0	0000	0000	Miss
420	0	[00]	[00]	Miss
340	0	0101	010)	Miss
860	0	011)	0[1]	Miss

b)	BySe 000	OI	tag 0000	Hit/Miss Miss
24 85b	000	011	0	Miss
700	100	Ш	1010	Miss
856	000	110	101	Hit
24	000	011	0000	Miss
336	000	0 0	00	Miss
200	100	000	0100	Mi55
696	000	(11	lolo	Hit
256	000	000	0000	Hit

a) disk, because it has the largest in pact on AMAT 6) L2, because it has the lowest impact on AMAT c) L1, the miss rate of L1 has largest impact d) Memory the miss rate has the smallest impact

Problem3 a direct map, 16x4 byte block

Byte Address	Block Address	Miss/Hit
4	1	Miss
16	4	/Niss
32	8	Miss
20	5	Miss
80	20	Miss
68	17	Miss
76	19	Miss
224	56	Miss
36	9	Miss

44	11	Miss
16	4	Miss
172	43	Miss
20	5	Hit
24	6	Miss
36	9	Hit
68	17	Hit

Final Cache Content Block Address Data (0

p)	Direct mapped Byte Address	l, 16 bytes Block Addres	block, 64 bytes in Miss/Hit	total
	4	Ð	Miss	
	16	1	Miss	
	32	2	Miss	
	20	,	Hit	
	80	5	Miss	
	\mathfrak{b} 8	4	Miss	
	76	4	Hit	
	224	Ä	Miss	
	36	2	Miss	
	44	2	Hit	
	16	1	Miss	
	172	0	Miss	
			Hit Hit	
	24	1	Hit	
	36	2	Miss	
	2D 24 3b 68	4	Hit	
		1		

Final Cache Content

Block Address Data

0 79

c) 2-vay associative

Block Address	Miss/Hit
1	Miss
4	Miss
Š	Miss
5	Miss
20	Miss
17	Miss
19	Miss
56	Miss
9	Miss
11	Miss
4	Hit
43	Miss
5	H注
6	Miss
9	Hit
17	Hit
	1 48 5 20 7 19 56 9 11 4 43 5 6 9 7

d) fully associative

V		
Byte Address	Block Address	Miss/Hit
4	1	Miss
16	4	/Niss
32	8	Miss
20	5	Miss
80	20	Miss
68	17	Miss
76	19	Mi55
224	56	Miss
36	9	Miss
44	11	Miss
^		

H池

Miss

Hit

Hit