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	irect m	apped					
	irect m	apped					
		Cache	Hit/miss	Ca	ache conte	ent after access	3
				Ca	ache conte 1	ent after access	<u>s</u> 3
	Block	Cache					
	Block address	Cache index	Hit/miss	0			
ם D	Block address 0	Cache index 0	Hit/miss miss	0 Mem[0]			
	Block address 0 8	Cache index 0 0	Hit/miss miss miss	0 Mem[0] Mem[8]			

Associativity Example

2-way set associative

Block	Cache	Hit/miss	Cache content after access				
address	index	110111133		et 0	Set 1		
0	0	miss	Mem[0]				
8	0	miss	Mem[0]	Mem[8]			
0	0	hit	Mem[0]	Mem[8]			
6	0	miss	Mem[0]	Mem[6]			
8	0	miss	Mem[8]	Mem[6]			

Fully associative

Block address	Hit/miss	Cache content after access				
0	miss	Mem[0]				
8	miss	Mem[0]	Mem[8]			
0	hit	Mem[0]	Mem[8]			
6	miss	Mem[0]	Mem[8]	Mem[6]		
8	hit	Mem[0]	Mem[8]	Mem[6]		

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