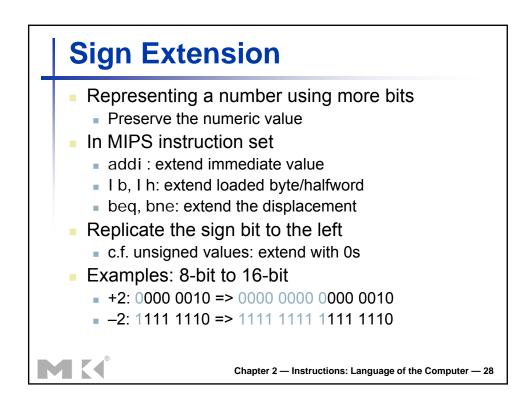
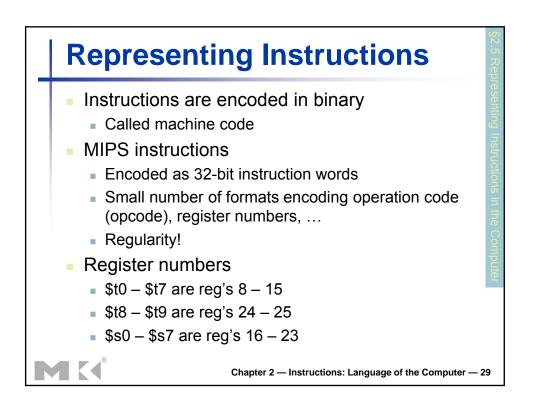
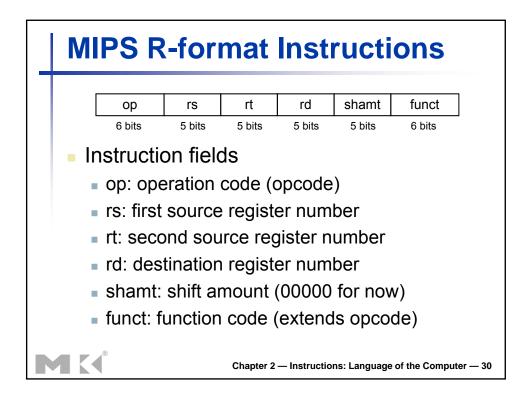
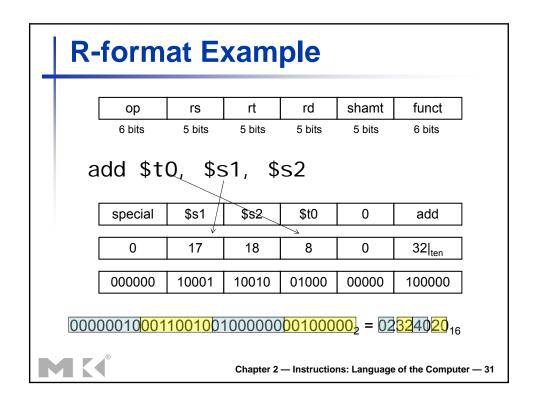


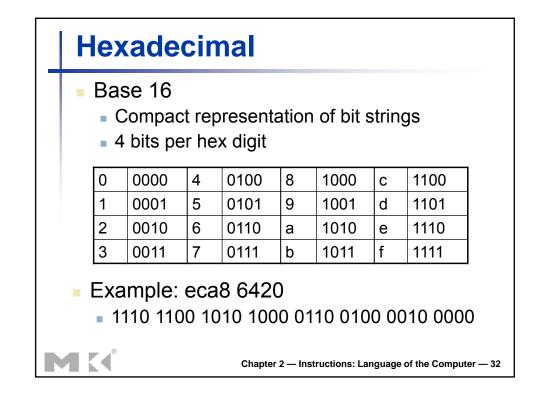
	2'sc binary	decimal	
2's Complement -2 <sup>3</sup> =	1000	-8	
-(2 <sup>3</sup> - 1) =	1001	-7	
	1010	-6	
× ·	1011	-5	
complement all the bits	1100	-4	
	1101	-3	
0101 and add a 1	1110	-2	
	1111	-1	
0110 (6)	0000	0	
	0001	1	
	0010	2	
	0011	3	
	0100	4	
	0101	5	
	0110	6	
2 <sup>3</sup> - 1 =	0111	7	
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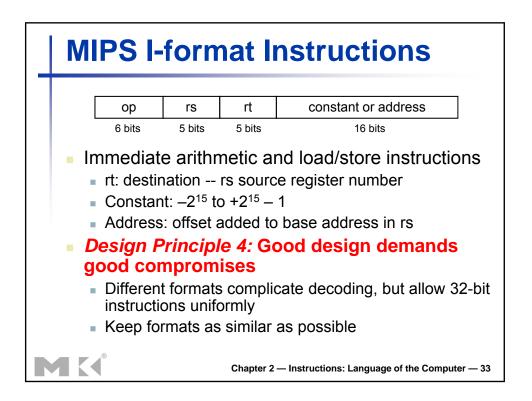












MIPS I-format Instructions				
op	rs	rt	constant or address	
6 bits 5 bits 5 bits 16 bits addi \$t0, \$s1, 10				
addi	\$t0	\$s1	constant	
8	8	17	10	
001000 10000 10001 00000000001010				
Chapter 2 — Instructions: Language of the Computer —				

