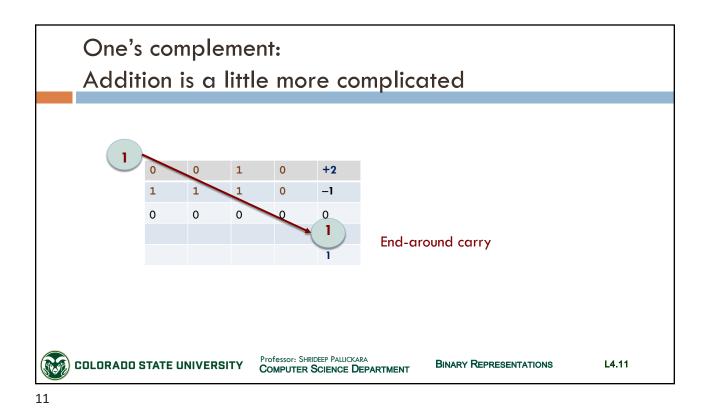
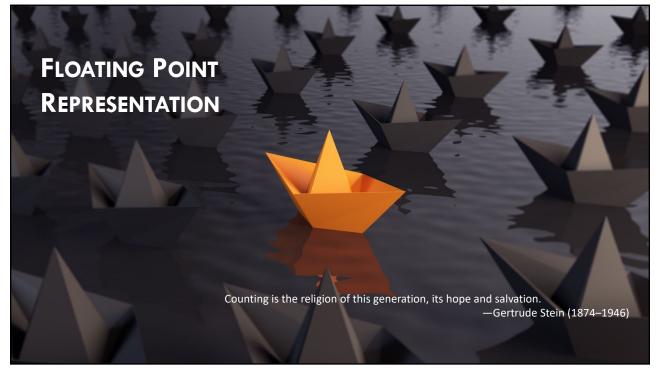
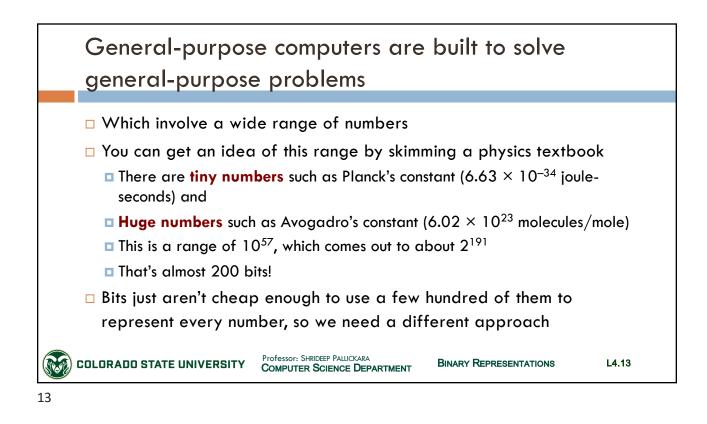
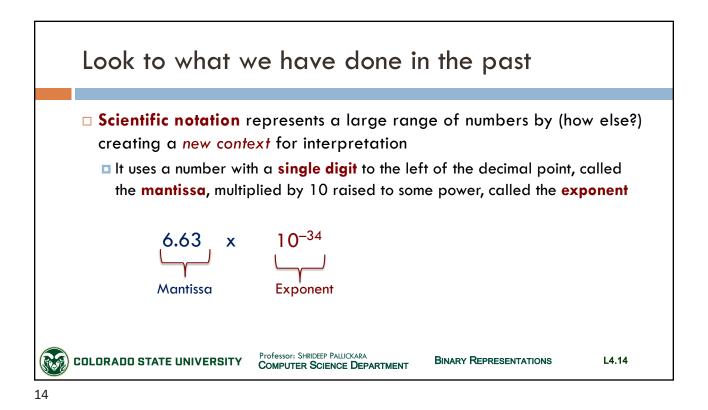


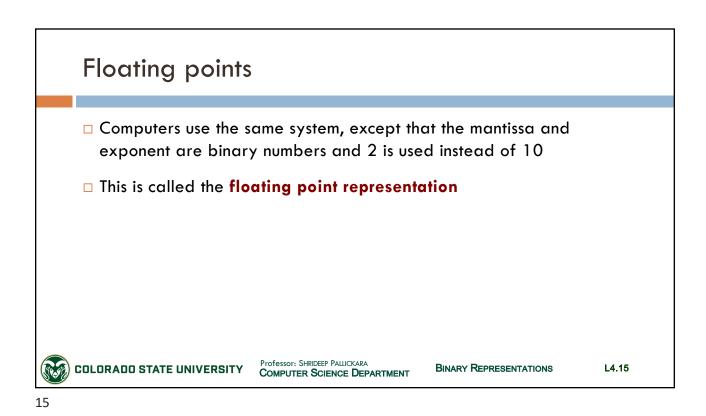
Sign **2**² **2**¹ **2**⁰ Decimal One's complement +7 +6 +5 Flipping each bit of +4 0111 (+7) yields 1000 (-7) +3 +2 Has two different +1 representations for zero +0 -1-2 -3 -4 -5 -6 -7 Professor: SHRIDEEP PALLICKARA **BINARY REPRESENTATIONS** L4.10 **COLORADO STATE UNIVERSITY** COMPUTER SCIENCE DEPARTMENT

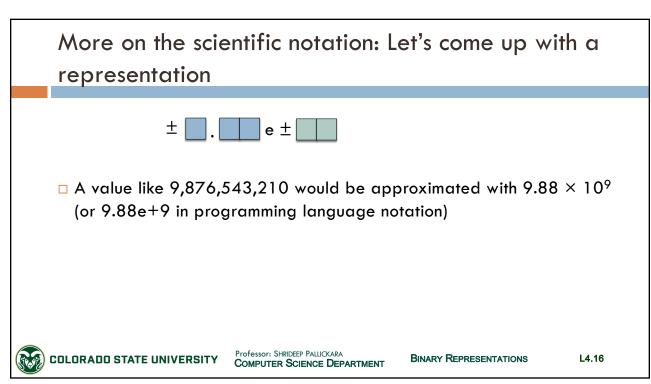


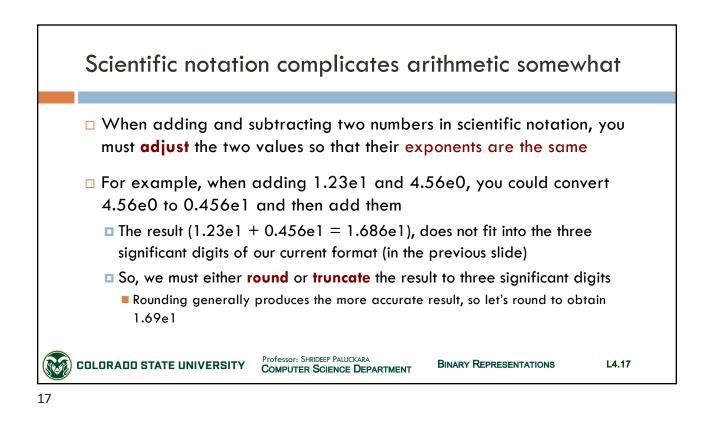


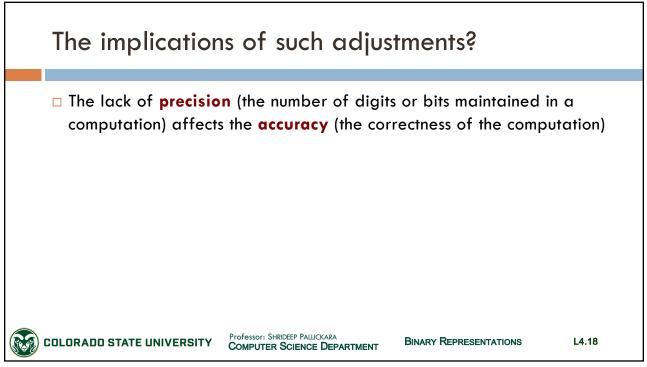


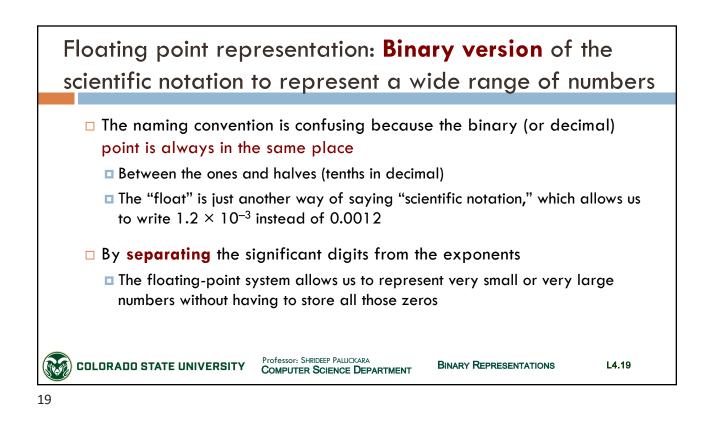


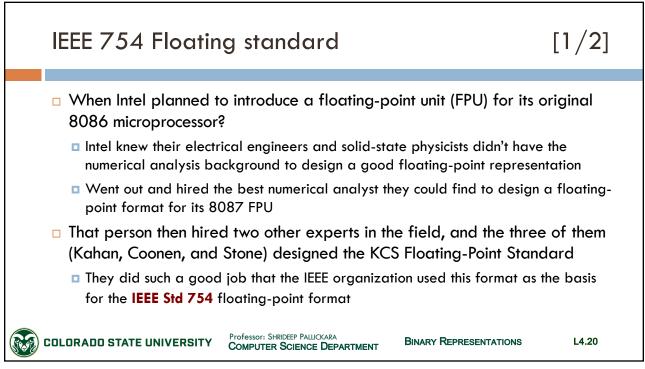


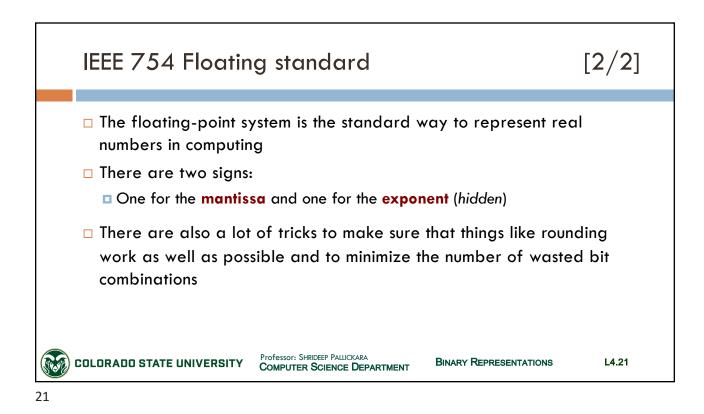


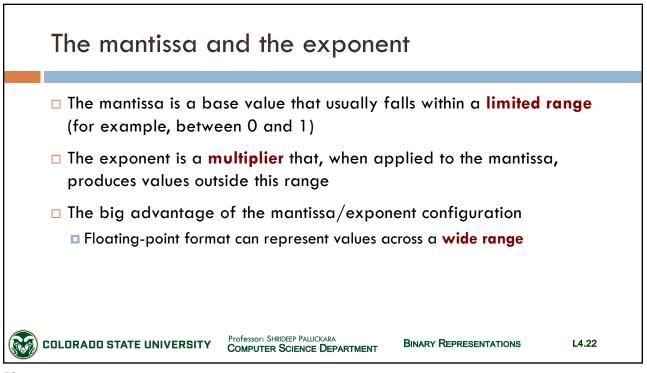


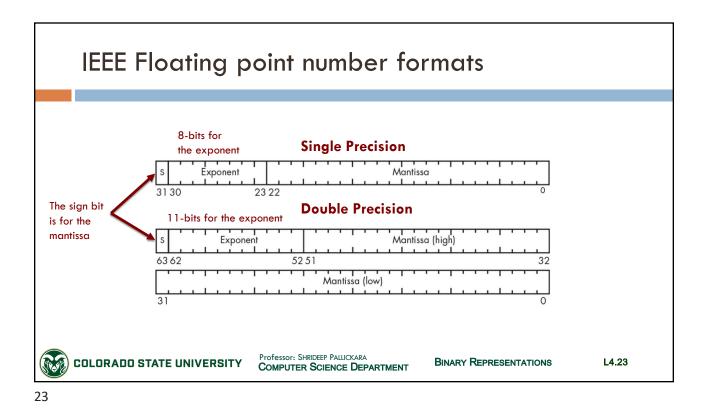


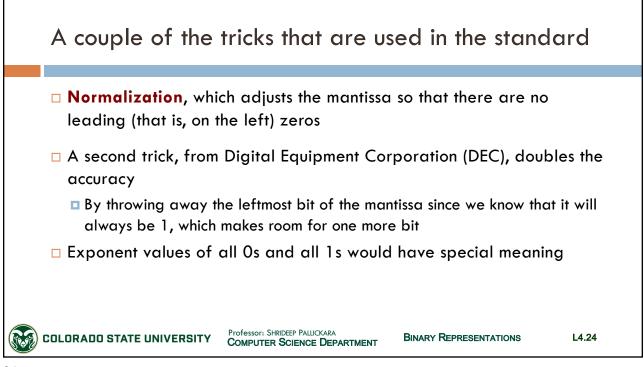


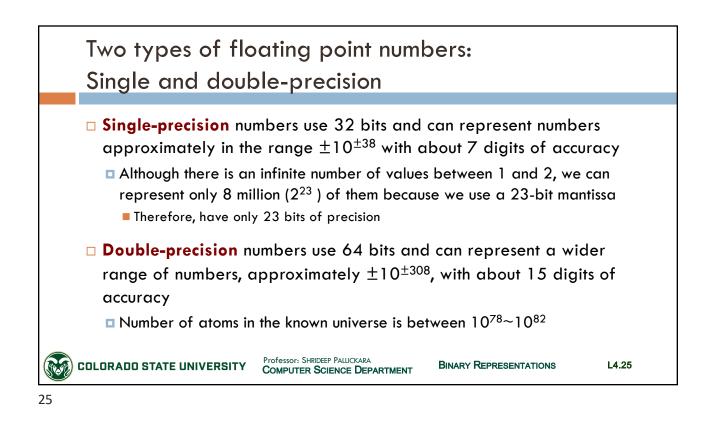


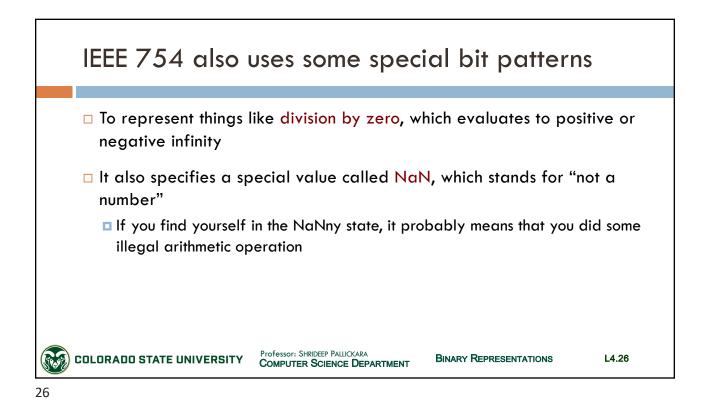




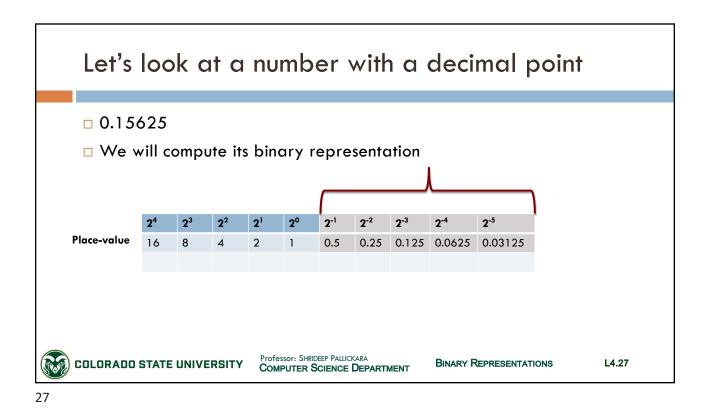


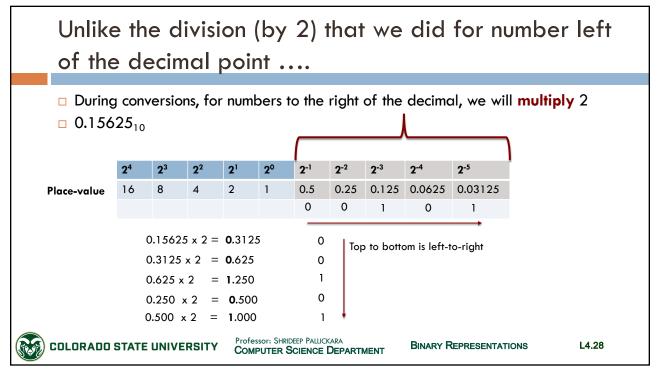


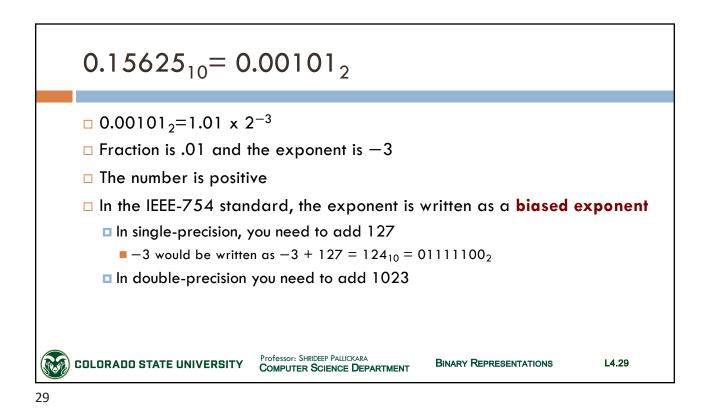


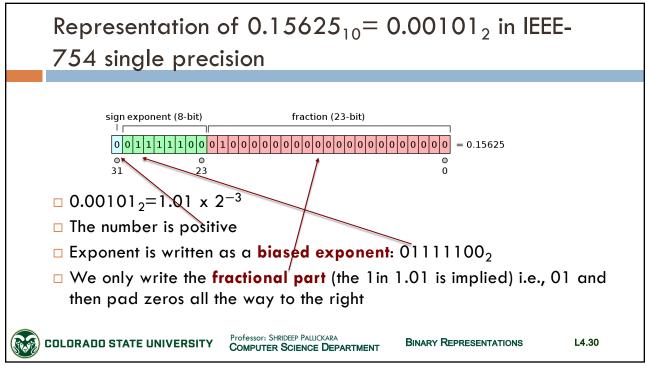


SLIDES CREATED BY: SHRIDEEP PALLICKARA

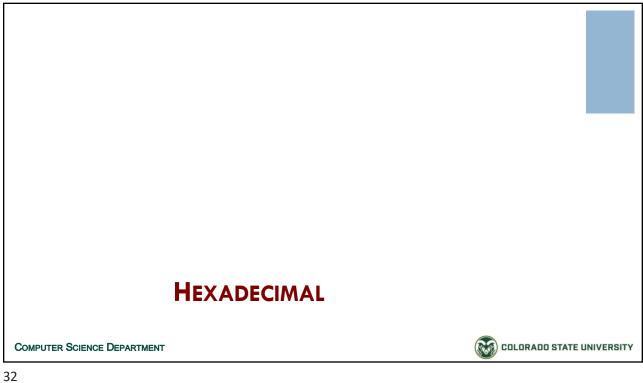


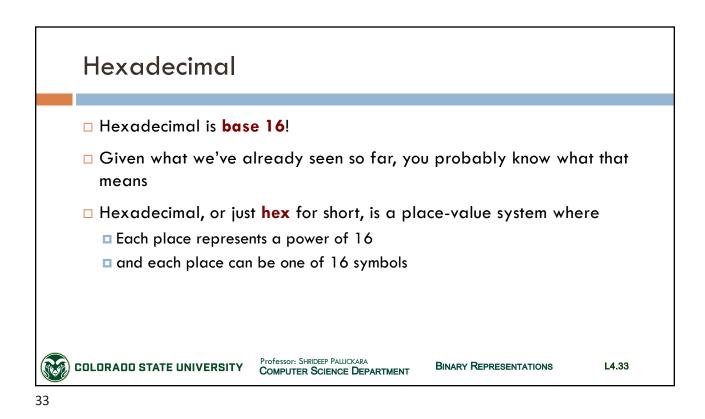


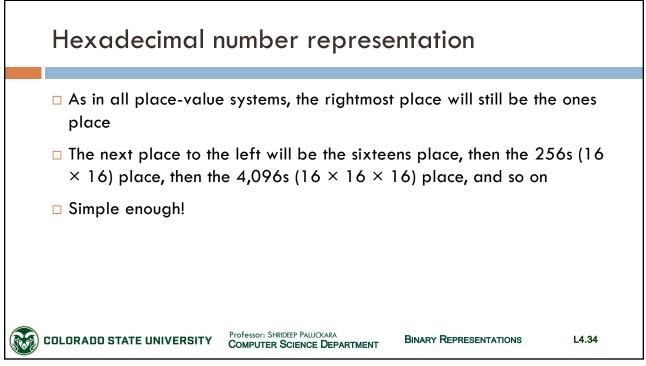


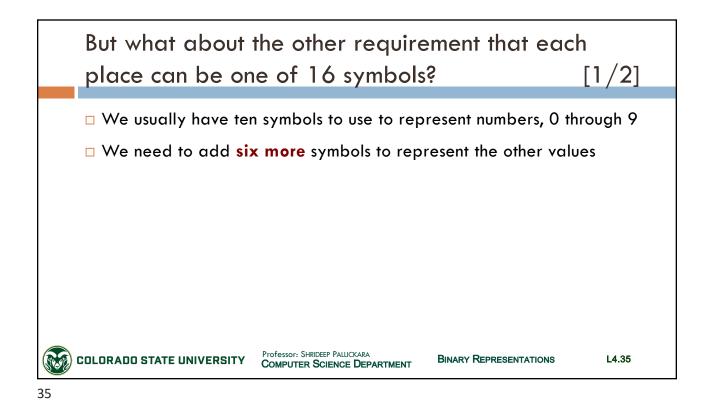


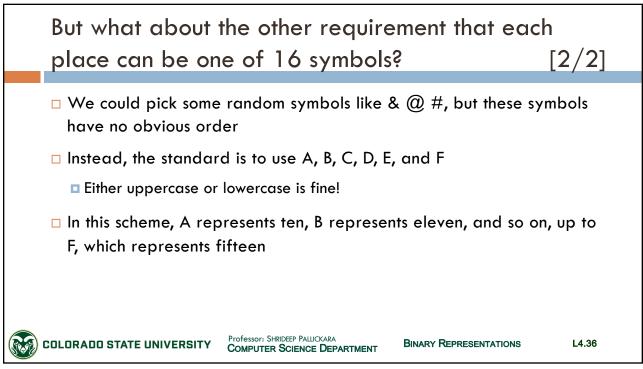
NaN and Infinity						
Infinity mail	nt field is filled with all ntissa field = 0 ntissa field ≠ 0	1 bits to indicate eit	her			
COLORADO STATE UNIVERSITY	Professor: Shrideep Pallickara Computer Science Department	BINARY REPRESENTATIONS	L4.31			



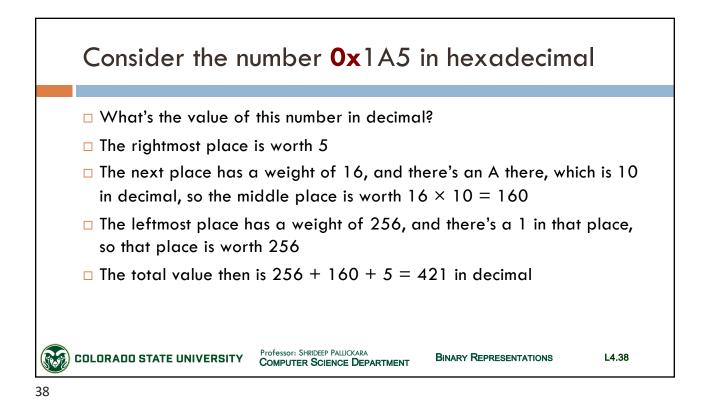


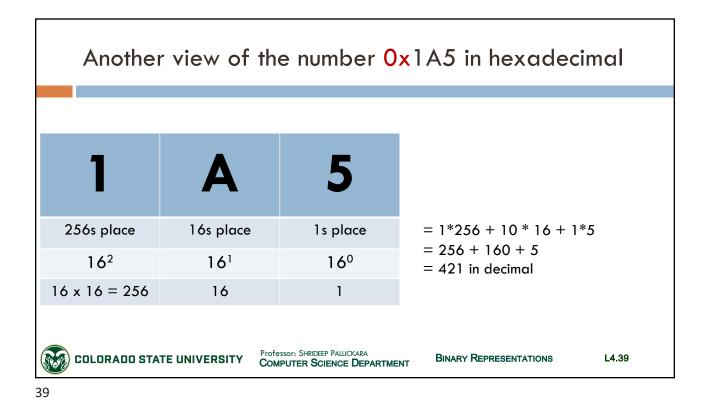


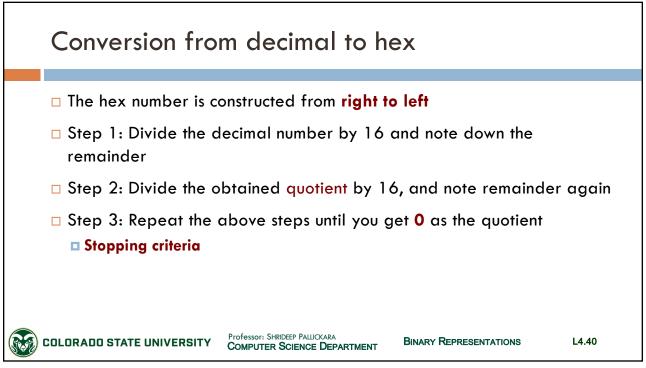


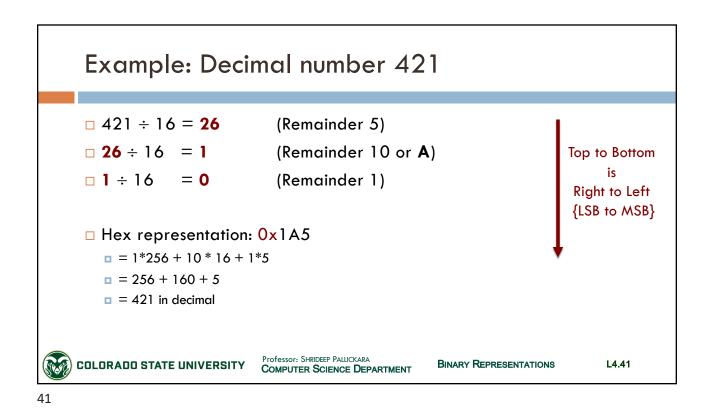


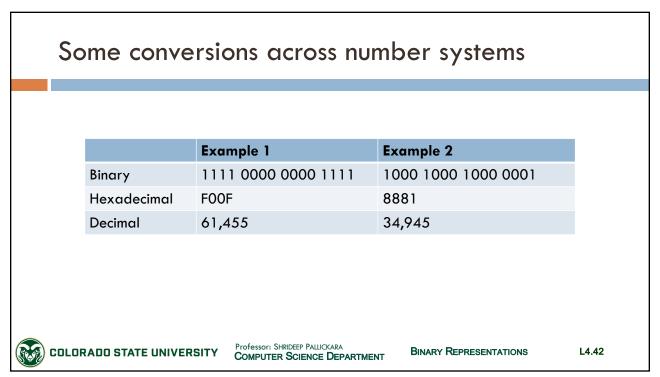
Symbols in the h	exadecimal	Hexadecimal	Decimal	Binary (4-bit)
or hex number s		0	0	0000
of flex fibiliber 3		1	1	0001
A represents ten, B eleven, and so on, u represents fifteen	p to F, which	2	2	0010
		3	3	0011
		4	4	0100
		5	5	0101
		6	6	0110
		7	7	0111
		8	8	1000
		9	9	1001
		А	10	1010
		В	11	1011
		С	12	1100
		D	13	1101
		E	14	1110
COLORADO STATE UNIVERSITY	Professor: Shrideep Pallickara Computer Science Departme	F	15	1111

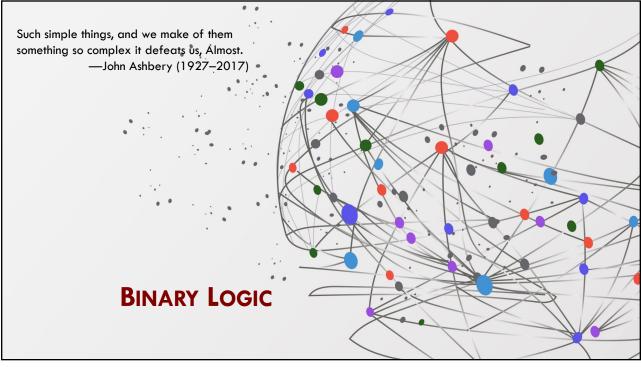












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