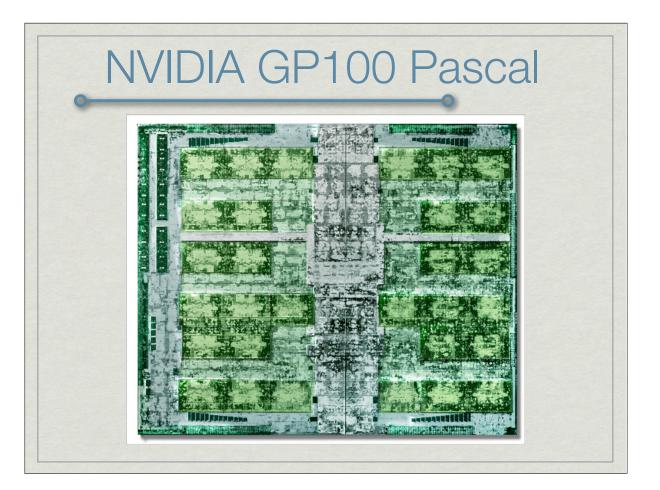
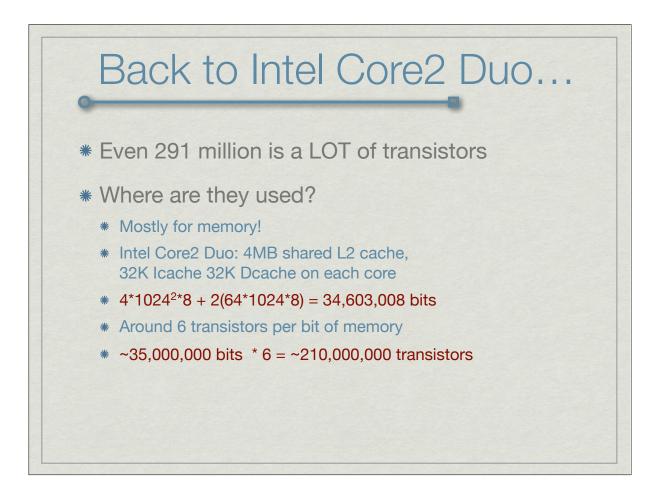
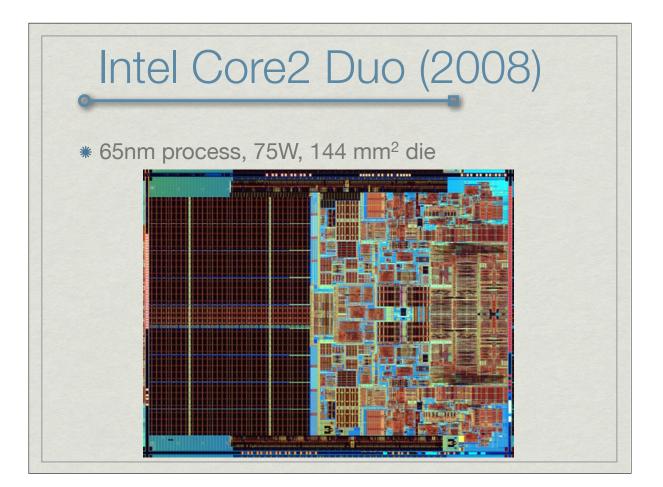


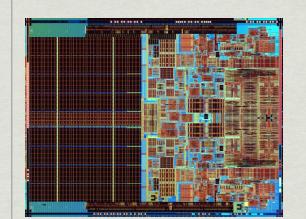
Ridiculous Chips				
NVIDIA	GK110 Kepler	GM200 Maxwell	GP100 Pascal	GV100 Volta
FP32 Cores	2880	3072	3584	5120
FP64 Cores	960	96	1792	2560
FP32 TFLOPS	5	6.82	10.6	15
FP64 TFLOPS	1.68	0.21	5.3	7.5
DRAM Interface	384bit GDDR5	384bit GDDR5	4096bit HBM2	4096bit HBM2
L2 Cache	1536 KB	3072 KB	4096 KB	6144KB
TDP watts	235	250	300	300
Transistors	7.1b	8b	15.3b	21.1b
CMOS	28nm	28nm	16nm	12nm



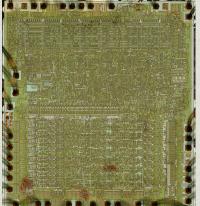




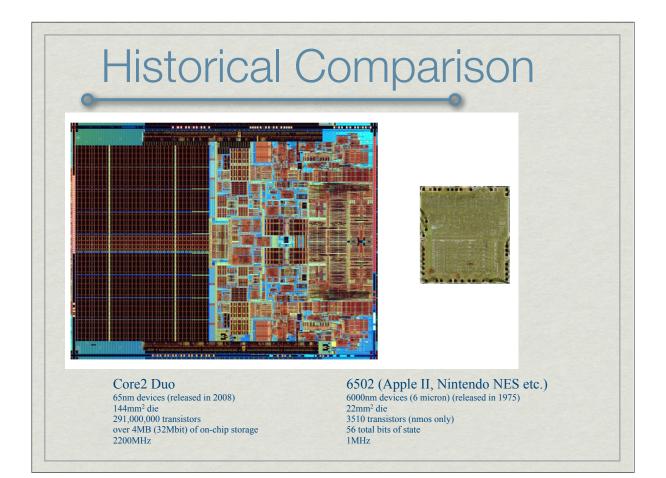
Historical Comparison

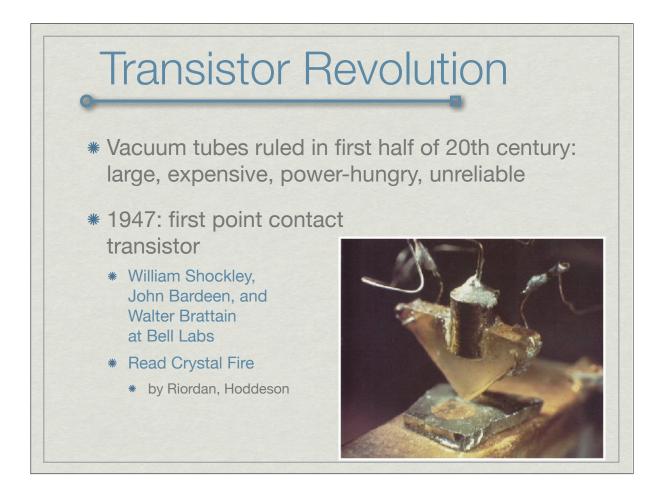


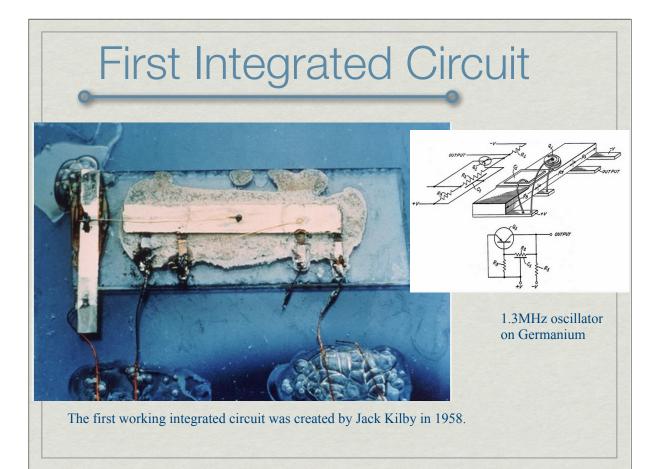
Core2 Duo 65nm devices (released in 2008) 144mm² die 291,000,000 transistors over 4MB (32Mbit) of on-chip storage 2200MHz



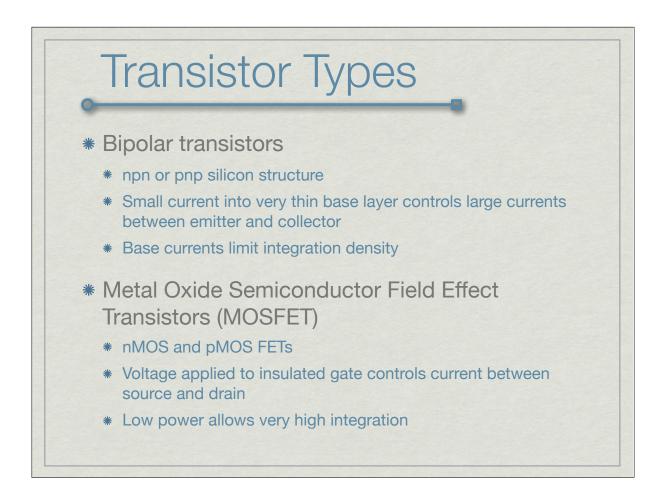
6502 (Apple II, Nintendo NES etc.) 6000nm devices (6 micron) (released in 1975) 22mm² die 3510 transistors (nmos only) 56 total bits of state 1MHz

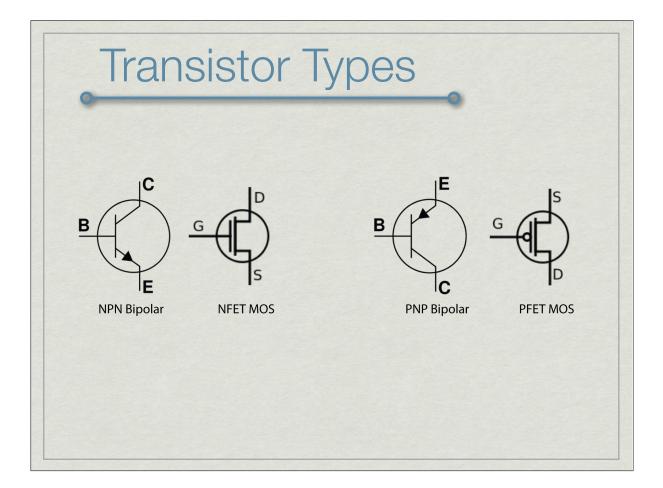


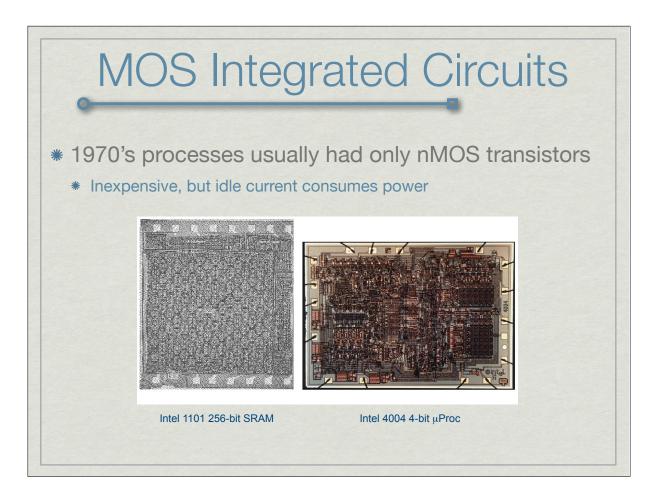


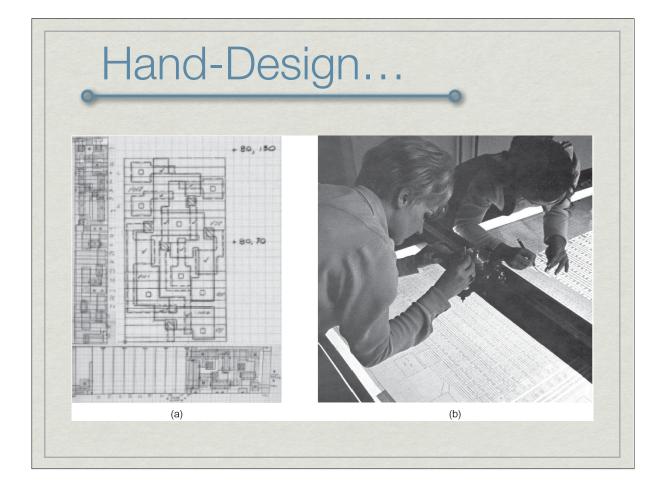


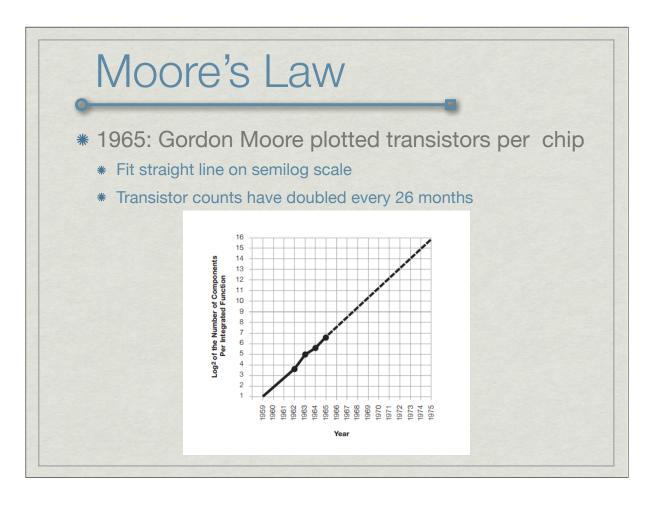


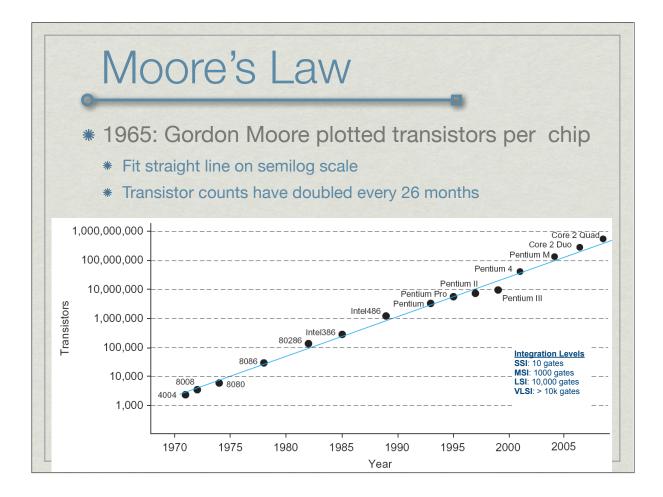


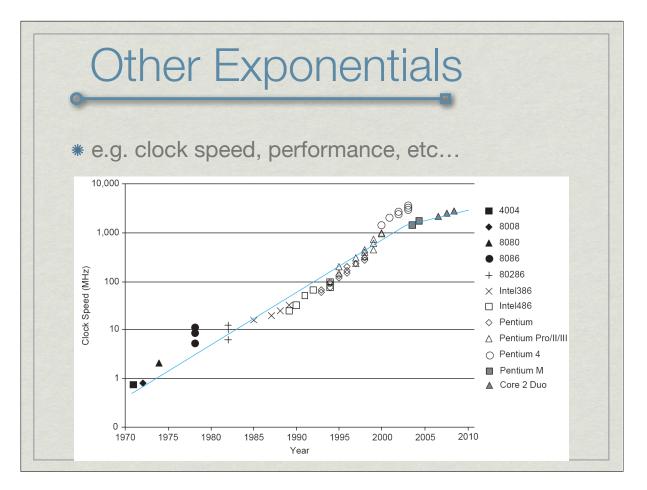


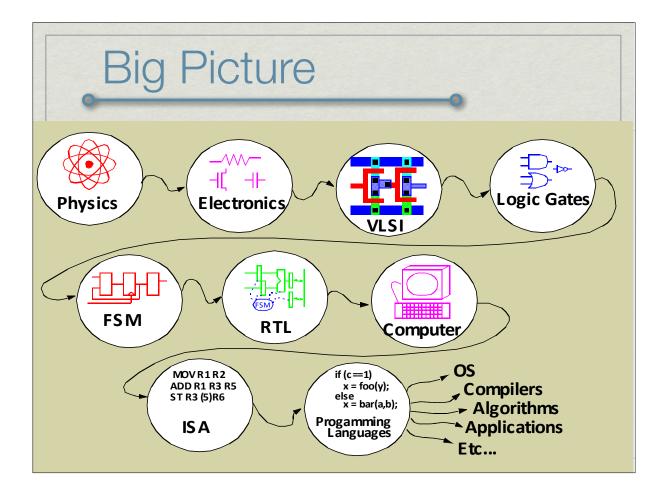


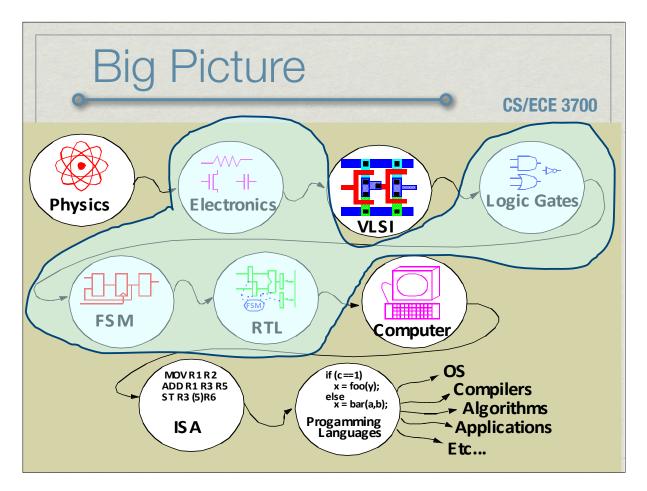


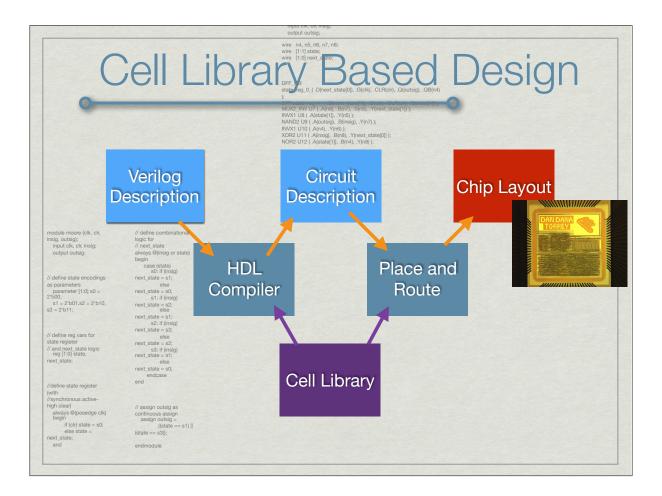


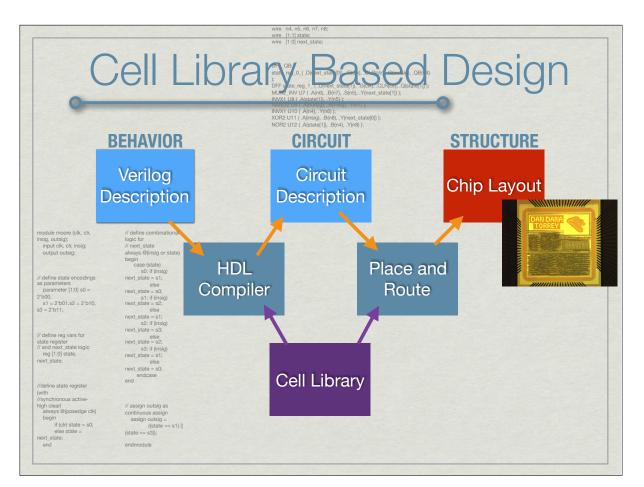


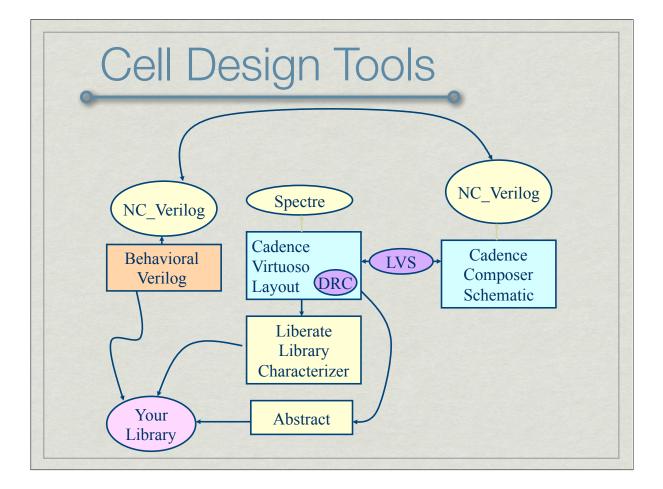


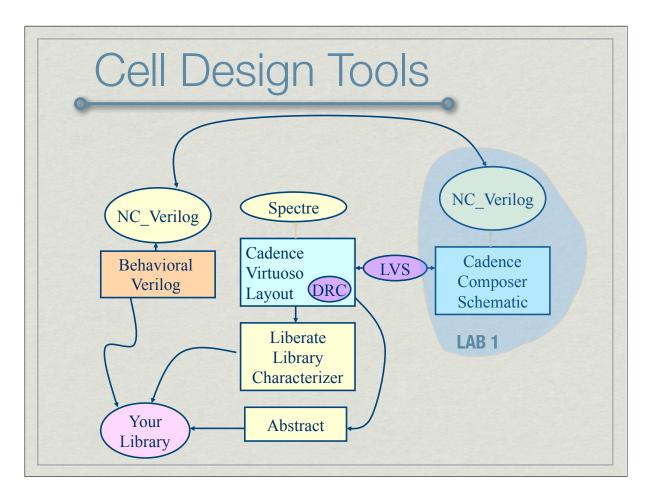


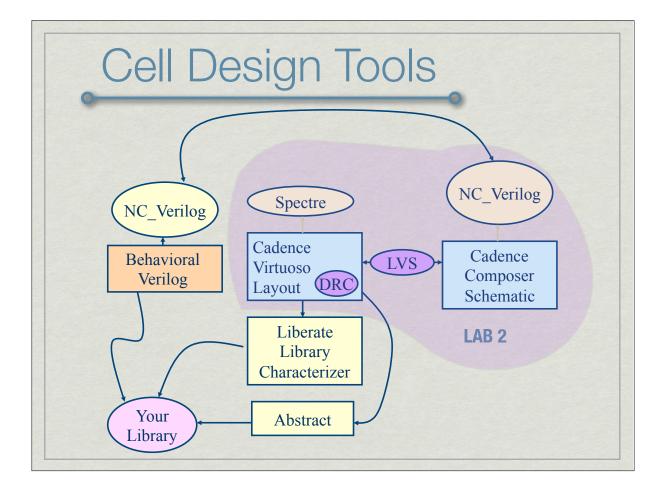


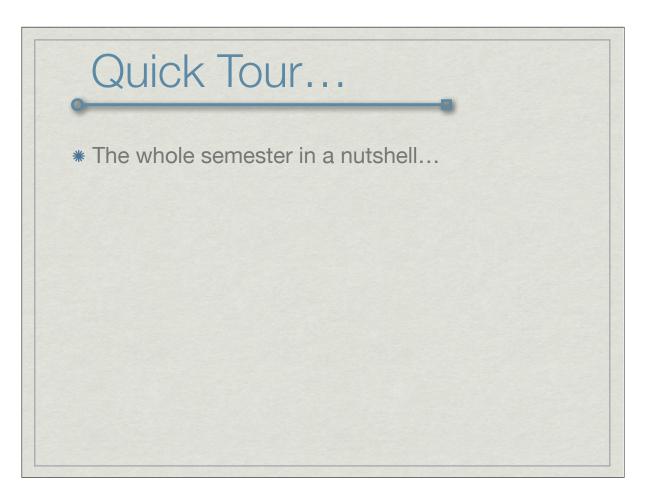


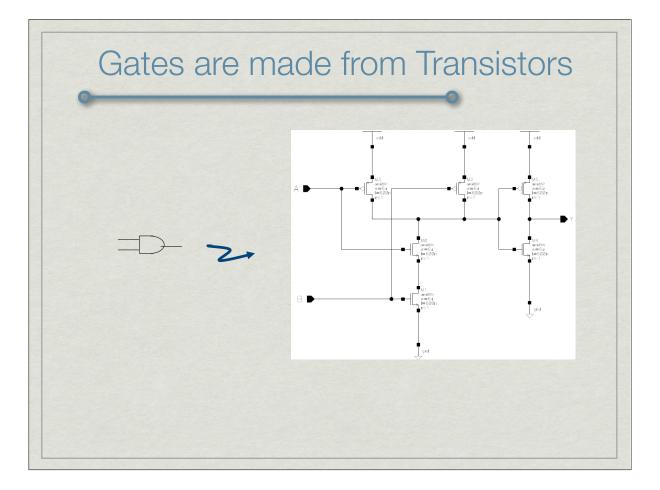


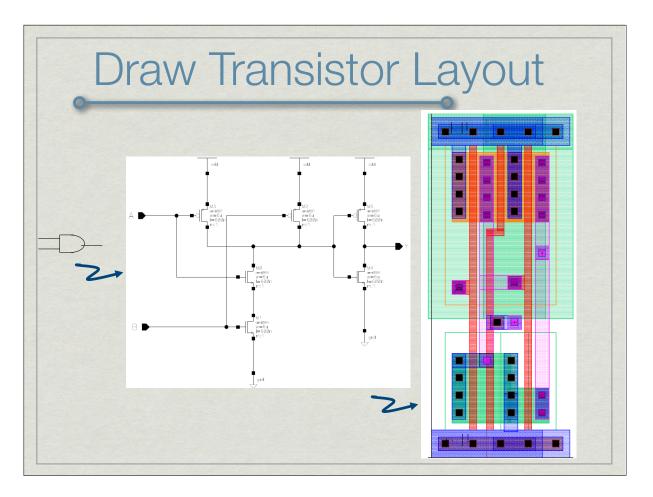


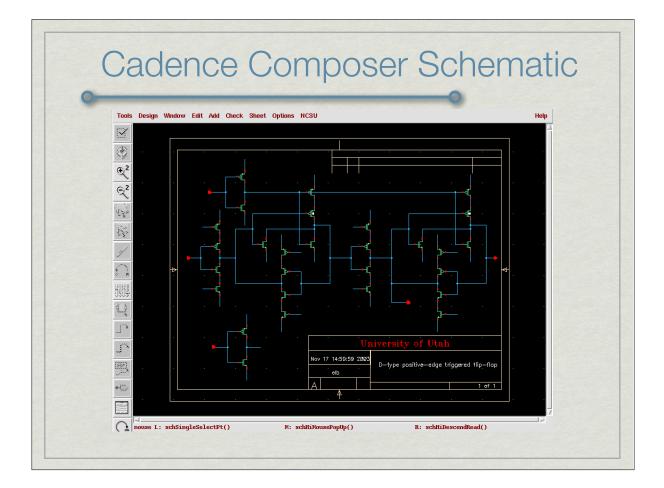


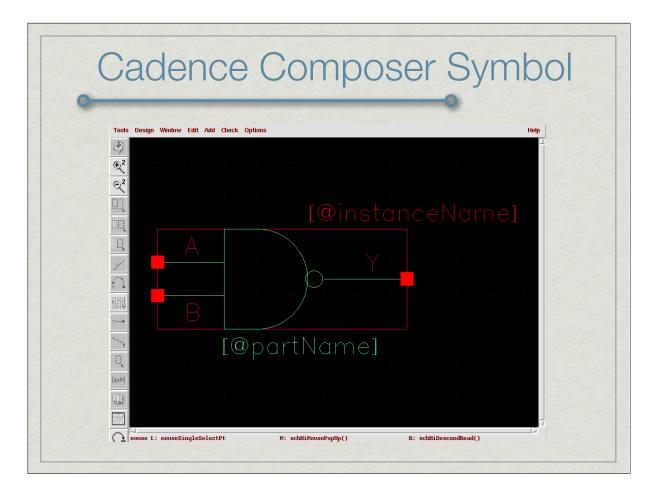


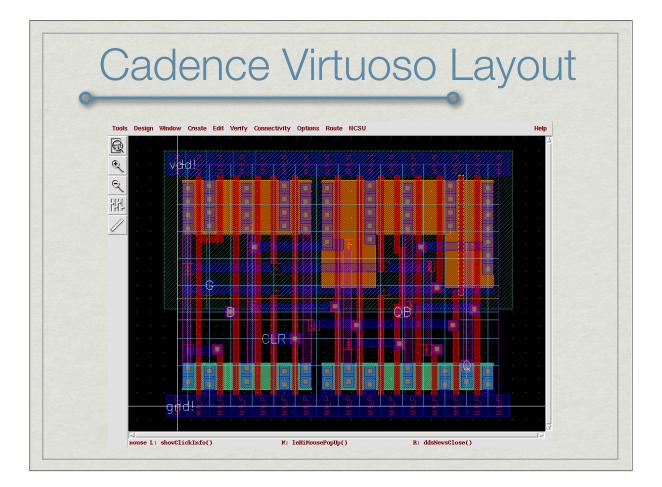


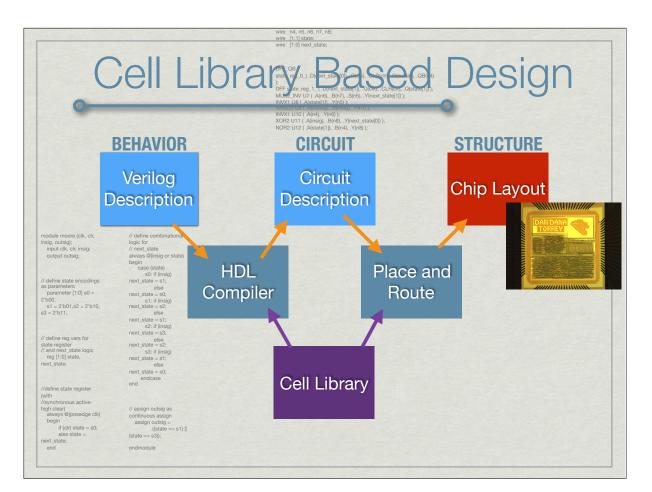


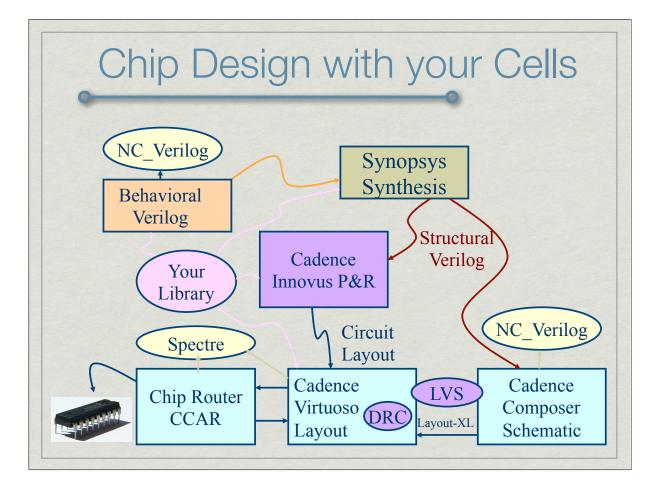


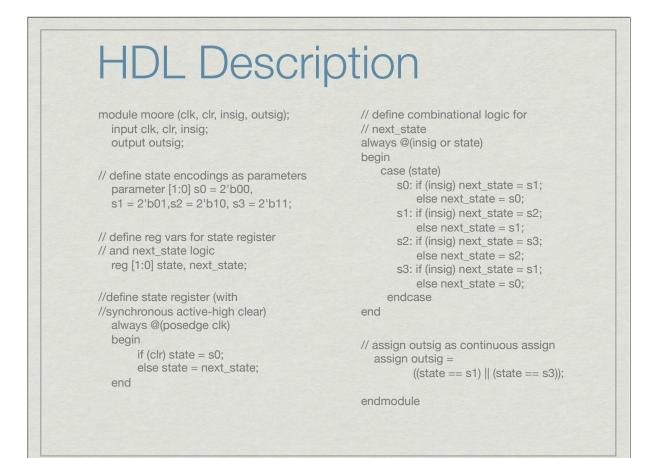


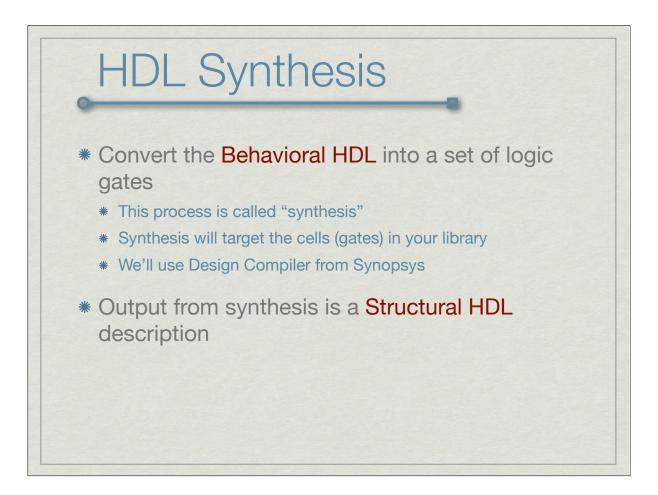


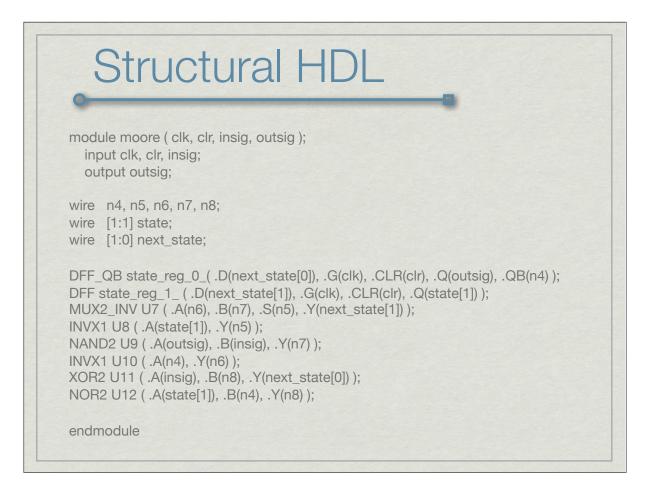


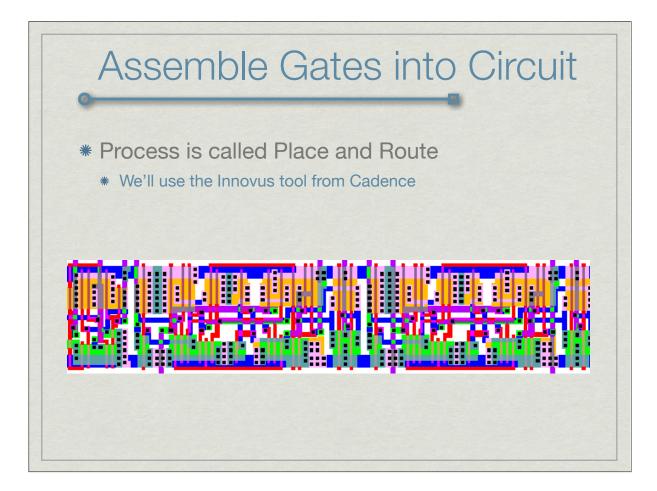


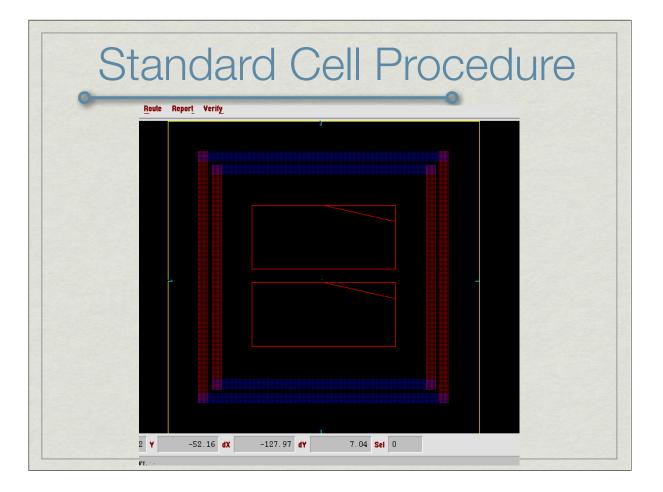


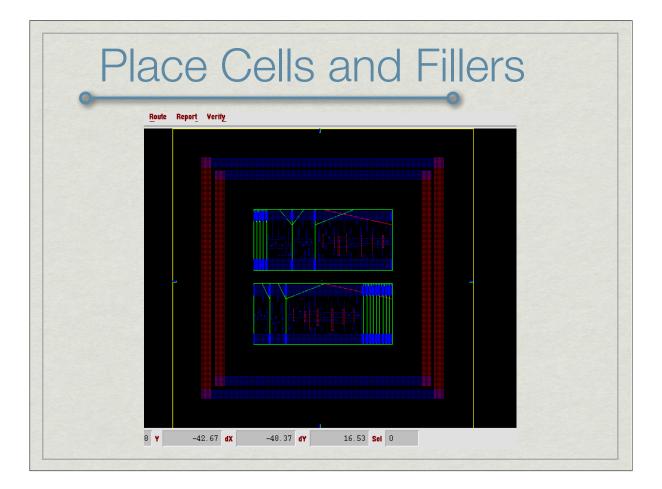


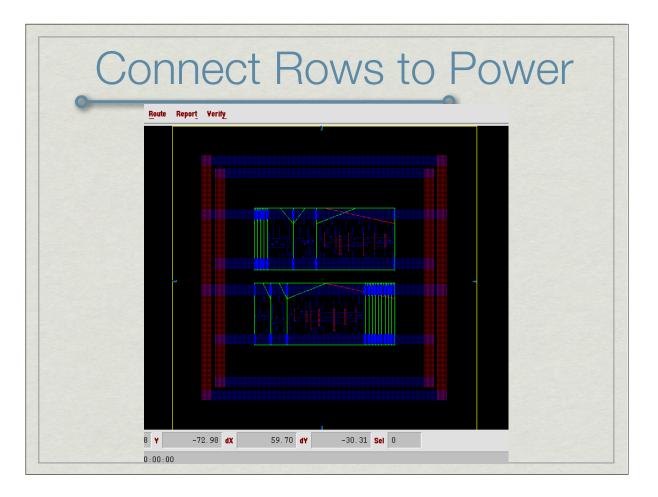


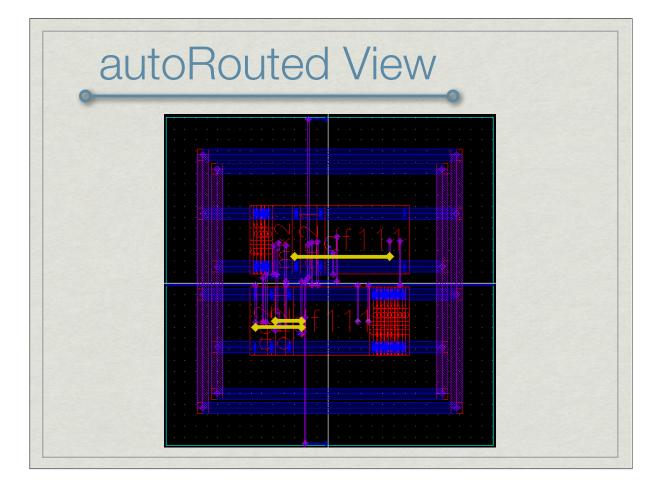


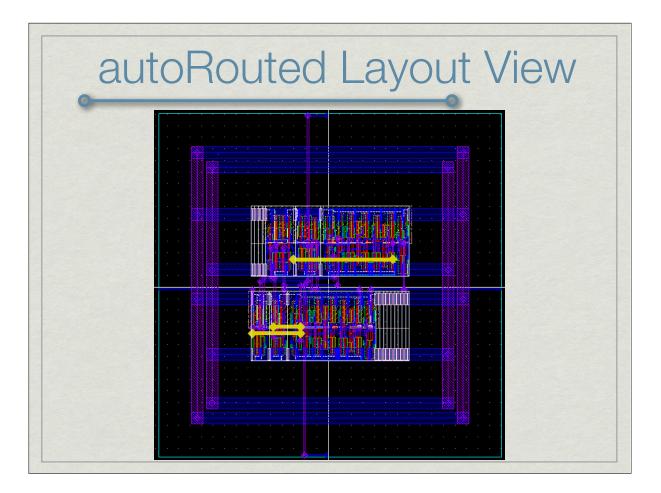












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