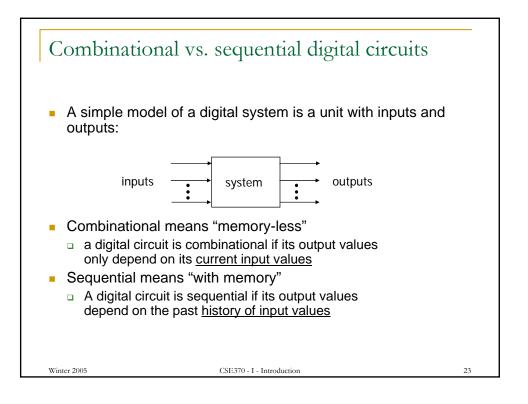
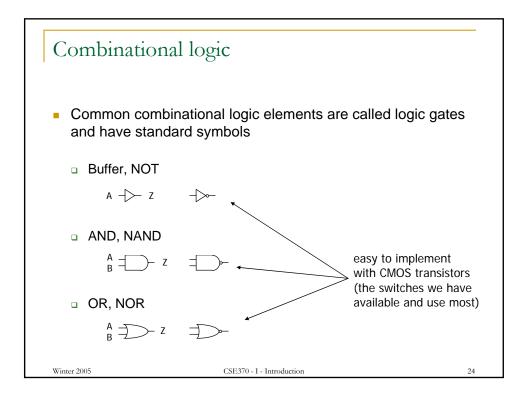
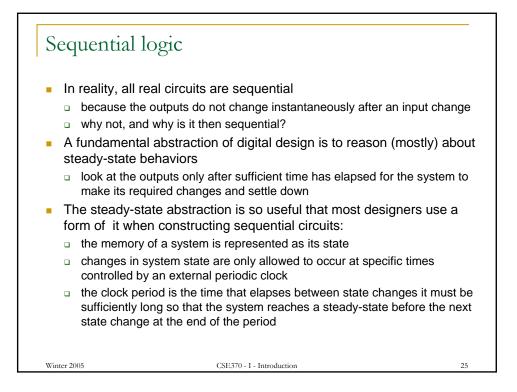
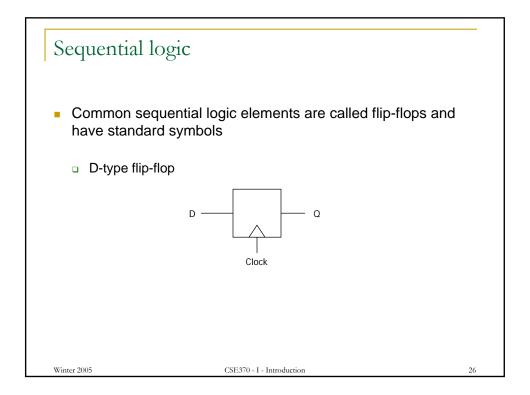


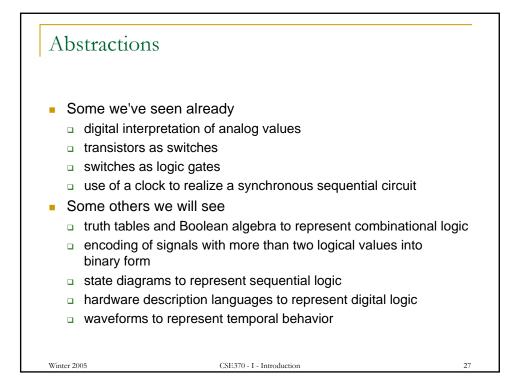
Technology	State 0	State 1
Relay logic	Circuit Open	Circuit Closed
CMOS logic	0.0-1.0 volts	2.0-3.0 volts
Transistor transistor logic (TTL)	0.0-0.8 volts	2.0-5.0 volts
Fiber Optics	Light off	Light on
Dynamic RAM	Discharged capacitor	Charged capacitor
Nonvolatile memory (erasable)	Trapped electrons	No trapped electrons
Programmable ROM	Fuse blown	Fuse intact
Bubble memory	No magnetic bubble	Bubble present
Magnetic disk	No flux reversal	Flux reversal
CD/DVD	No pit	Pit

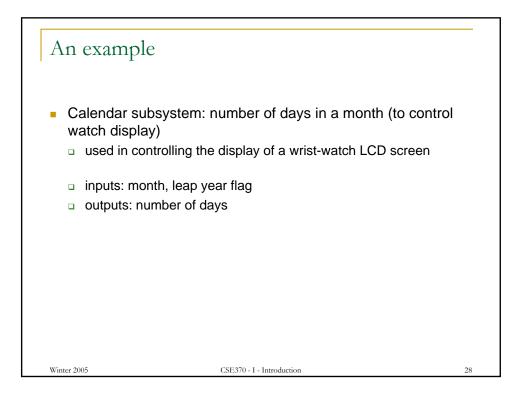




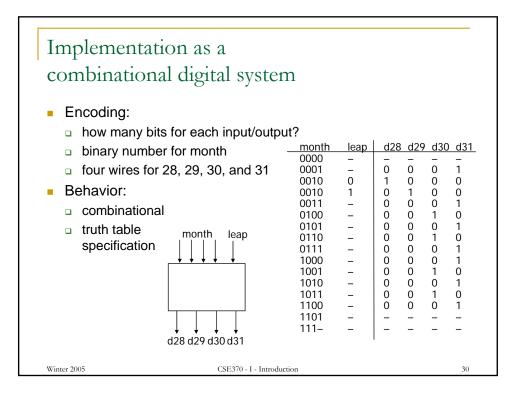


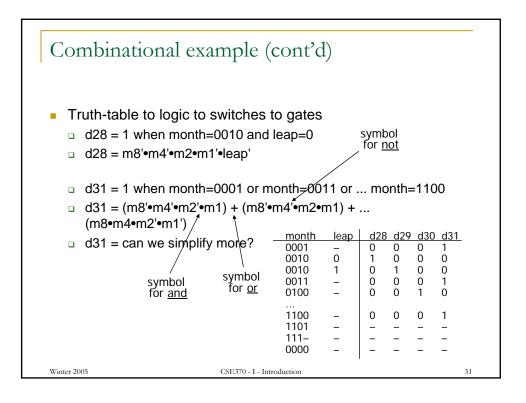


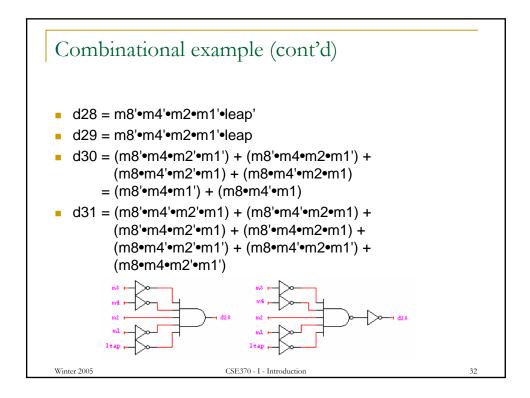


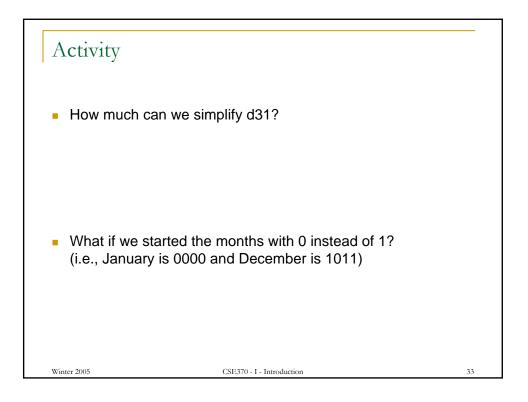


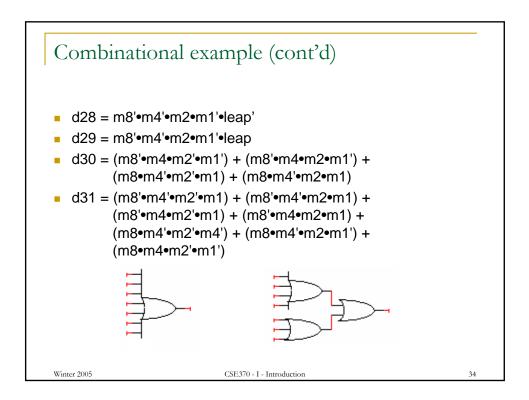
```
Implementation in software
integer number_of_days ( month, leap_year_flag)
   Ł
  switch (month) {
     case `january': return (31);
     case `february': if (leap_year_flag == 1) return (29);
                                          else return (28);
     case `march': return (31);
     . . .
     case `december': return (31);
     default: return (0);
  }
}
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```

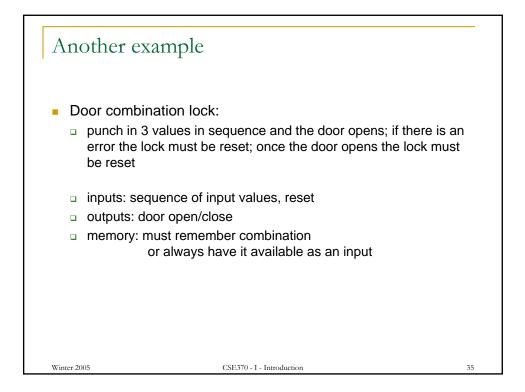












Implementation in	software	
<pre>integer combination_lock (integer v1, v2, v3; integer error = 0; static integer c[3] = 3, 4;</pre>		
<pre>while (!new_value()); v1 = read_value(); if (v1 != c[1]) error = 1;</pre>		
<pre>while (!new_value()); v2 = read_value(); if (v2 != c[2]) error = 1;</pre>		
<pre>while (!new_value()); v3 = read_value(); if (v2 != c[3]) error = 1;</pre>		
<pre>if (error == 1) return(0); }</pre>	else return (1);	
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