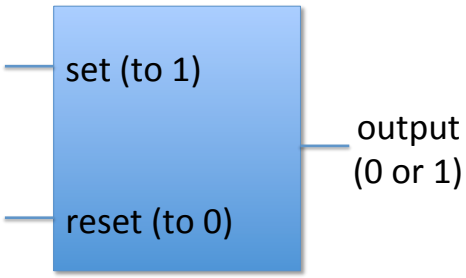
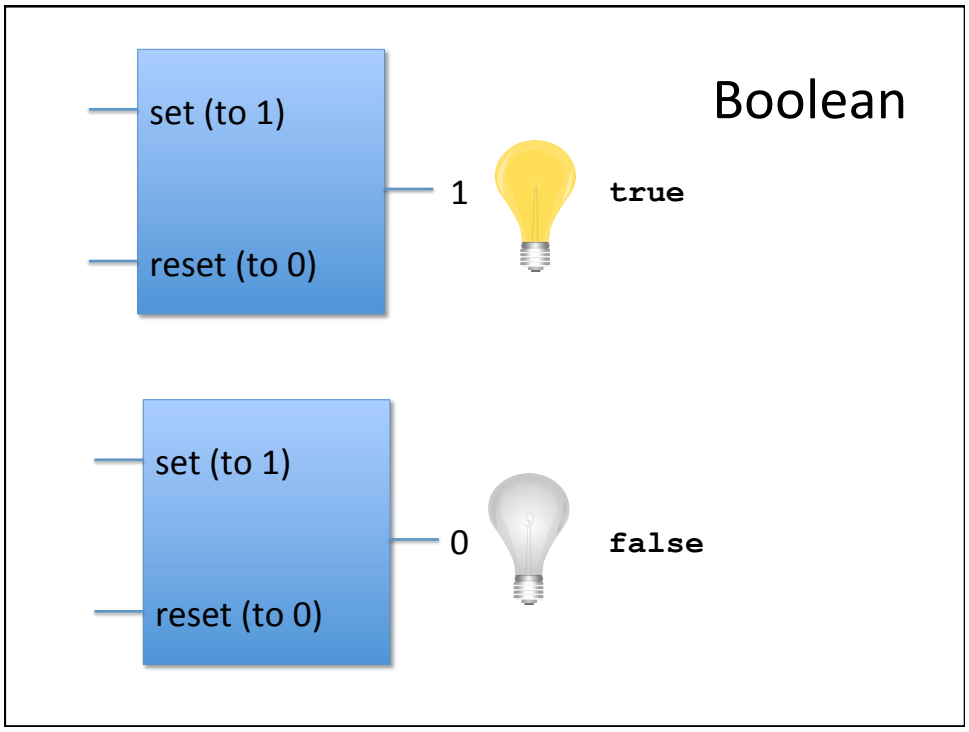
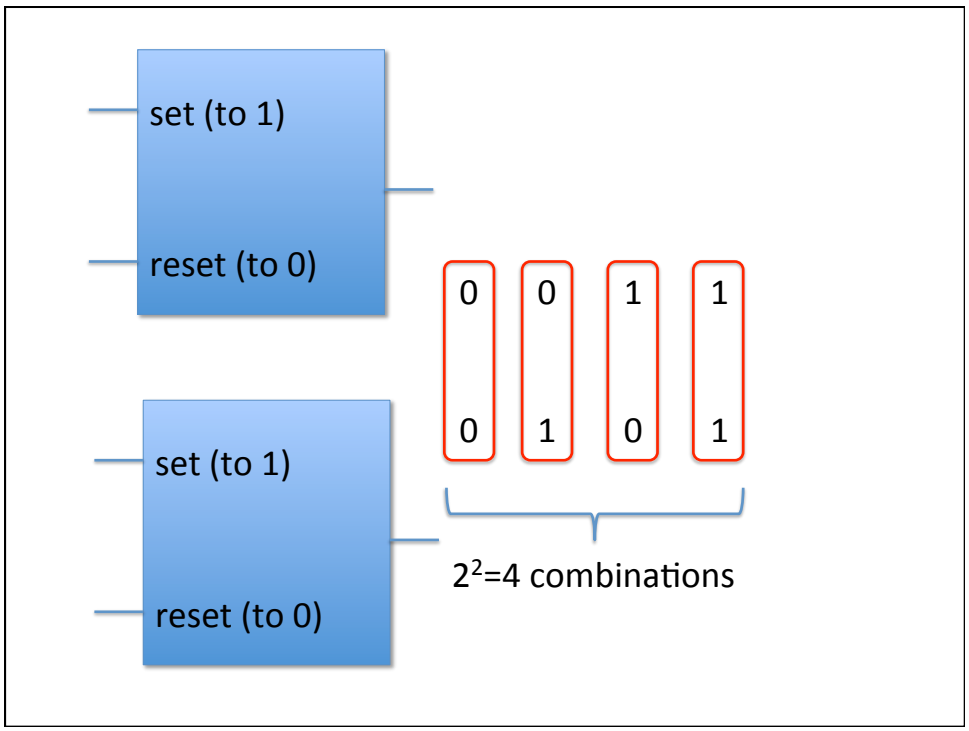
REPRESEN-TATION of DATA

Flip Flop




Boolean
set (to 1)
reset (to 0)
1
true
set (to 1)
reset (to 0)
0
false


set (to 1)
reset (to 0)
set (to 1)
reset (to 0)
0 0
0 1
1 0
1 1
2²=4 combinations

Byte

00000000
00000001
00000010
00000011
00000100
…
11111110
11111111

$2^8 = 256$ combinations

Numbers

00000000	0
…	
01000001	65
01000010	66
01000011	67
…	
11111110	254
11111111	255

Red Levels

00000000

…

01000001

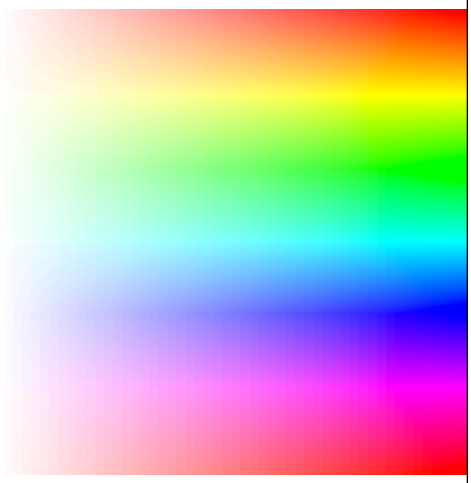
01000010

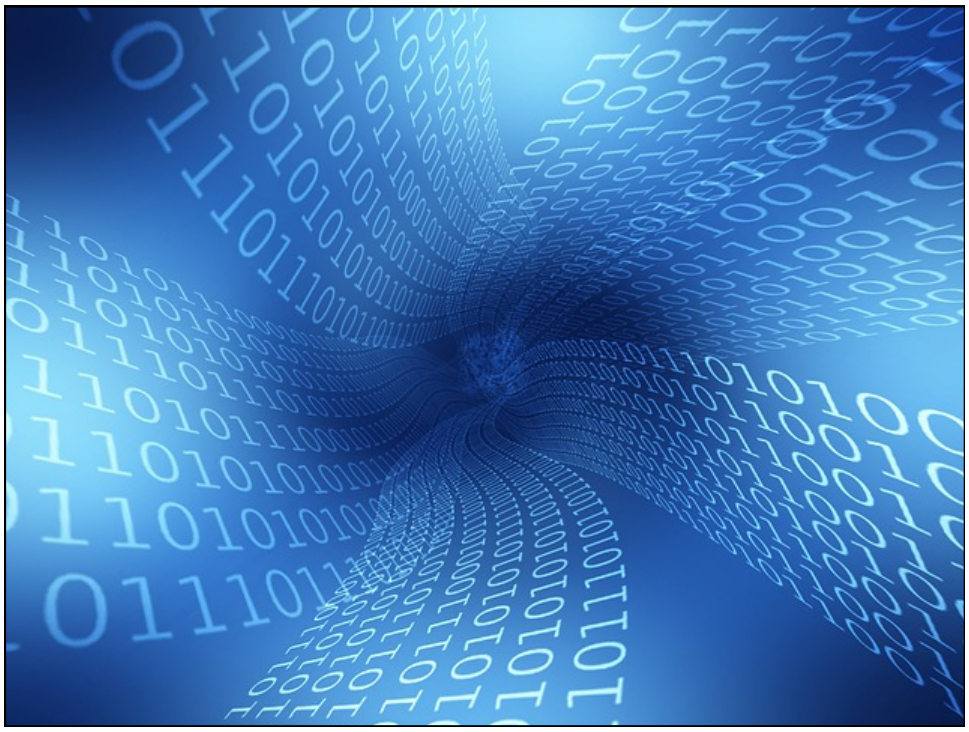
01000011

…

11111110

11111111



Characters

00000000	(special symbol)
…	
01000001	A
01000010	B
01000011	C
…	
11111110	■
11111111	(special symbol)