

	$s_{01}$	$s_{00}$	$s_{02}$	$c_{in}$	$a$	$b$	$c$	$v$	$g$
$a$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	000000010100011000000010000001000
$a + 1$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	000000010100011000000010000001001
$a + b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	01010110100110110101011001111010
$a + b + 1$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	01010110100110110101011001111011
$a + \neg b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	10101011111100001011000110010101
$a + \neg b + 1$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	10101011111100001011000110010110
$a - 1$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	000000010100011000000010000000111
$b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	01010101010101010101001001110010
$a \wedge b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	00000001010001000000000000000000
$a \vee b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	01010101010101110101011001111010
$a \oplus b$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	01010100000100110101011001111010
$\neg a$	0	0	0	0	000000010100011000000010000001000	010101010101010101010010011110010	0	0	1111111010111001111110111110111