

① ab om : (a, b, c, f) : f

a	b	c	f
0	0	0	1
0	0	1	0
0	1	0	1
0	1	1	1
1	0	0	1
1	0	1	1
1	1	0	1
1	1	1	0

$f = (a \oplus b \oplus c)$

$(0 \oplus 0 \oplus 0) = 1$

$(0 \oplus 0 \oplus 1) = 0$

$(0 \oplus 1 \oplus 0) = 1$ / $(0 \oplus 1 \oplus 1) = 1$

ab om

جمع فنتر ما

$f = a'b'c' + a'bc' + ab'c + abc'$

ab	00	01	11	10
c				
0	1	0	1	0
1	0	1	0	1

این جامع از این ساده تر می شود.

← ۵۰۰

Sum 12 - 12.12.19 PP - 12.12.19 7

module Logic_Lab (f, a, b, c);

output f;

input a, b, c;

$(a \oplus b \oplus c)$

assign f = $(\sim a \& \sim b \& \sim c) \mid$

$(\sim a \& b \& c) \mid$

$(a \& \sim b \& c) \mid (a \& b \& \sim c);$

endmodule

f	a	b	c
1	1	1	1
1	1	1	0
1	1	0	1
1	1	0	0
1	0	1	1
1	0	1	0
1	0	0	1
1	0	0	0