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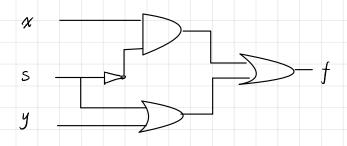
Part I

$$f = xs' + ys$$

This notation is shorthand for the following expression:

$$f = (x AND NOT(S)) OR (y ANDS)$$

1,



Truth Table 2.

	х	S	y	5'	x5'	ys	f (25'+	ys)
•	0	0	D	,	0	0	0	
	0	0	,	,	0	0	0	
	0	1	0	0	0	0	0	
	0	,	1	0	0	1	,	
	1	0	0	1	1	0	ı	
	,	0	1	,	1	0	ı	
	1	1	0	0	0	0	0	
	1	1	1	0	Q	,	1	

Part II

This notation is shorthand for the following expression:

1.

2. Truth Table

a	Ь	С	(atb)	cb'	f (la+b)'+cb')
0	0	0		0	,
0	0	,		1	1
0	1	0	0	o	0
0	- 1	1	0	0	0
- 1	0	0	0	0	0
1	0	1	0	- /	1
	- 1	0	0	0	0
			0	0	0

3.
$$f = (a + b)' + cb'$$

= $a'b' + cb'$
= $b'(a' + c)$

