

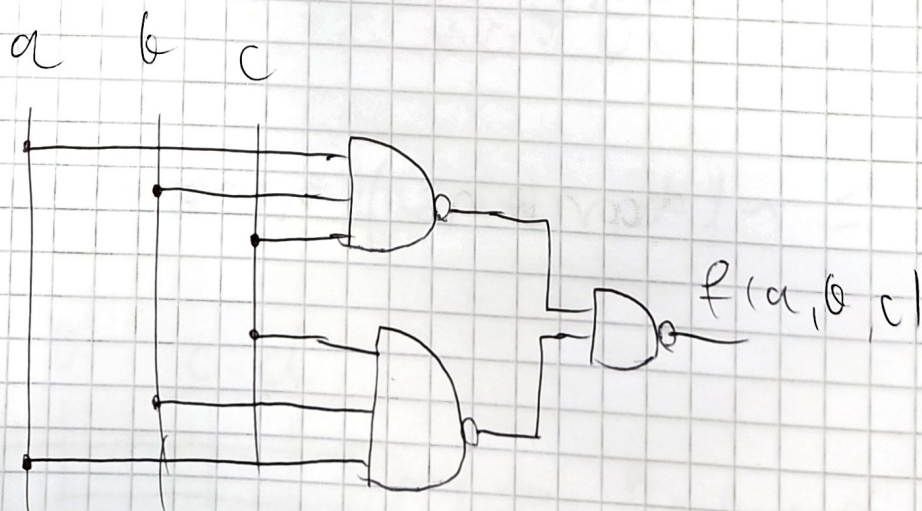
Zad. 1

$$f(a, b, c) = (a \wedge b \wedge \neg c) \vee (a \wedge \neg b \wedge c) \vee (a \wedge \neg b \wedge \neg c) =$$

$$= a \wedge b \wedge \neg c$$

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

a) $f(a, b, c) = \neg(\neg(a \wedge b \wedge \neg c) \wedge \neg(a \wedge \neg b \wedge \neg c))$



$$b) f(a,b,c) = \sim(\sim(a \cup b) \cup \sim(\sim(a \cup b) \cup b) \cup \sim(\sim(a \cup b) \cup a) \cup \sim(\sim(a \cup c) \cup c))$$

$\sim(a \cup b)$	$\sim(\sim(a \cup b) \cup a)$	$\sim(\sim(a \cup b) \cup b)$	$\sim(a \cup c)$	$\sim(\sim(a \cup c) \cup c)$	f
1	0	0	1	0	0
1	0	0	0	0	0
0	1	0	1	0	0
0	0	1	0	1	0
0	1	0	0	0	0
0	0	1	0	0	0
0	0	0	1	1	0
0	0	0	0	0	1

