3. $a \vee b \vee c \vee d \vee e \vee f$

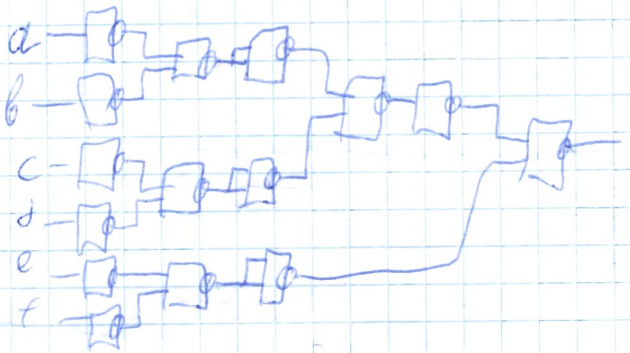
$\overline{(a \vee b \vee c)} \mid \overline{(d \vee e \vee f)}$

$(\bar{a} \mid \bar{b}) \vee (\bar{c} \mid \bar{d}) \vee (\bar{e} \mid \bar{f}) =$

$= (\bar{a} \mid \bar{b}) \mid (\bar{c} \mid \bar{d}) \vee (\bar{e} \mid \bar{f}) =$

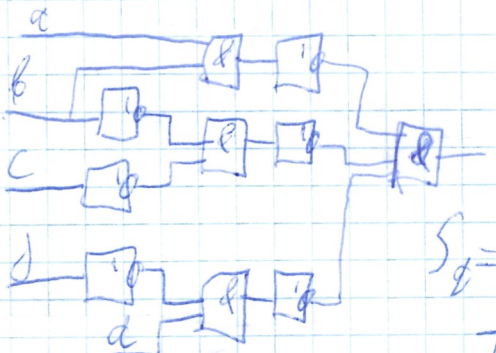
$= \overline{\overline{(\bar{a} \mid \bar{b})} \mid \overline{(\bar{c} \mid \bar{d})}} \mid (\bar{e} \mid \bar{f})$

НЕ СКАЗАНО ПРО ~~[illegible]~~ одно/парафазу



4. $(b \vee c)(\bar{a} \vee \bar{b})(\bar{a} \vee d)$

$\bar{b}\bar{c} \wedge a\bar{b} \wedge a\bar{d}$



$S_g = 15.$

$T = 4\tau.$

5. $n(k-1) + p - \Delta \leq 0 \quad n = 1.$

$k + p - \Delta - 1 \leq 0.$

$abc \vee ade = a(bc \vee de)$

$S_g = 8 \qquad S_g = 8 \qquad (2+0-1-1=0)$

$abc \vee ade \vee fg = a(bc \vee de) \vee fg$

$S_g = 11 \qquad S_g = 12 \qquad (2+0-2-1=-1)$

6.

a	b	c	y_1	y_2	y_3
0	0	0	0	1	1
0	0	1	1	0	0
0	1	0	1	1	1
0	1	1	0	0	1
1	0	0	0	0	0
1	0	1	1	1	0
1	1	0	0	1	1
1	1	1	1	1	0

a \ bc	00	01	11	10
0	1			1
1		1	1	

a \ bc	00	01	11	10
0	1			1
1		1	1	1

a \ bc	00	01	11	10
0	1			1
1				1

a|0
X0|1
1X1

$\bar{a}\bar{b}\bar{c} \vee \bar{b}c \vee ac$ $\quad y_1 \quad 10$

aX0
1X1
11X10

$\bar{a}\bar{c} \vee ac \vee a\bar{b} \vee b\bar{c}$ $\quad y_2 \quad 9$

aX0
0|X
X|0

$\bar{a}\bar{c} \vee \bar{a}b \vee b\bar{c}$ $\quad y_3 \quad 9$

$f = \bar{a}\bar{c} \vee bc$; $g = ac$; $h = \bar{a}b$

$y_3 = f \vee h$, $y_2 = f \vee g$, $y_1 = h\bar{c} \vee \bar{b}c \vee g$

6 7 2 2 2 7