## Zad. 1

o) 
$$f(x, y) = (\sim \times \cup \sim y) \cap \sim (y \cup \sim \times)$$

		r	,	1,6	, a			
X	y	~×	1~ y	(~ x v~y)	(yu~x)	~a	6 n~a	
1	1	0	0	0	1	0	0	
= 1	0	0	1	1	0	1	1	
0	1	1	0	1	1	O	0	The state of the s
0	0	1	1	1	1	0	0	The section of the second section of the second section second section section second section

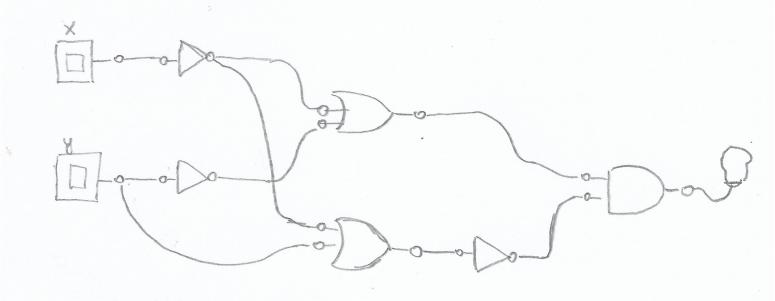
6) 
$$f(x_1y_1z) = nz v (xnynvz)$$

X	9	2	~2	(xnyn~z)	~2 u(xnyn~2	
1	1	1	0	0	0	
1	1	10	1	1	Λ	
1	0	1	0	0	0	
0	1	1	0	0	1	
0	1	0	1	0	0	
0	0	10	1	0	0	
0		1 0 1	-	0 0	0	

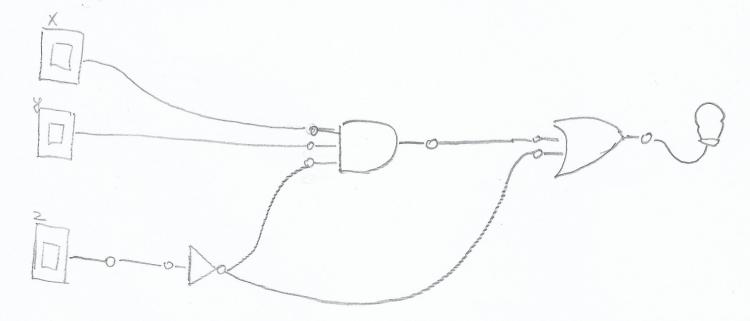
d) 
$$f(x_1y_1z) = x u y u (\sim x n \sim z)$$

X	9	2	~×	~2	(~×n~Z)	× uy u (~× ~~ Z)
1	1	1	0	0	0	1
1	1	0	0	1	0	. 1
1	0	1	0	0	0	1
1	0	0	0	1	0	1
0	1	1	Λ	0	0	1
0	1	0	1	1	1	1
0	0	1	1	0	0	0
0	10	10	1	1	1	1
						)

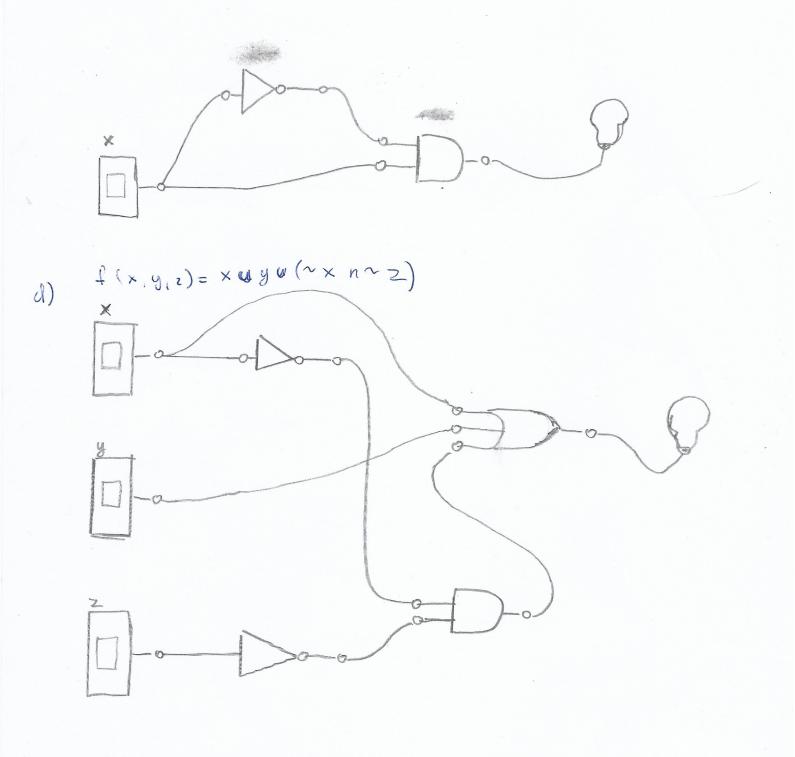
## a) $f(x,y) = (x \times y) n(y \times x)$



(a)  $f(x_1y_12) = n2 \cup (xnynnz)$ 



c)  $f(x) = x \times n \times$ 





Za d. 3

f(a,6,c) = ~ (anbnc)n(~au~buc)n(an~c)n(au~buc)

a	6	1-0	output
0	0	0	0
0	0	1	0
0	1	0	0
0	1	0	0
1	0	0	1
1	0	1	0
1	1	0	0
1	1	1	0