

		AB				
		00	01	11	10	
CD	00			X	X	<i>cei wony niepotrzebny</i>
	01	X		X		
	11	X	X			
	10		X		X	

$$S = A'B'D + A'BC + ABC' + AB'D' =$$

$$= B(A'C + AC') + B'(A'D + AD')$$

A	B	C	D	F
0	0	0	0	0
0	0	0	1	1
0	0	1	0	0
0	0	1	1	1
0	1	0	0	0
0	1	0	1	0
0	1	1	0	1
0	1	1	1	1
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	1
1	1	0	1	1
1	1	1	0	0
1	1	1	1	0

$$\bar{A} \cdot \bar{B} \cdot \bar{C} \cdot D$$

$$A \cdot B \cdot C \cdot D$$

$$\bar{A} \cdot B \cdot C \cdot \bar{D}$$

$$\bar{A} \cdot B \cdot C \cdot D$$

$$A \cdot \bar{B} \cdot \bar{C} \cdot \bar{D}$$

$$A \cdot \bar{B} \cdot C \cdot \bar{D}$$

$$A \cdot B \cdot \bar{C} \cdot \bar{D}$$

$$A \cdot B \cdot \bar{C} \cdot D$$

$$= (\bar{A} \bar{B} \bar{C} D) \vee (\bar{A} \bar{B} C D) \vee (\bar{A} B C \bar{D}) \vee (\bar{A} B C D) \vee (A \bar{B} \bar{C} \bar{D}) \vee (A \bar{B} C \bar{D}) \vee (A B \bar{C} \bar{D}) \vee (A B \bar{C} D)$$

1°

$\sim A A \rightarrow$  zawsze 0 bo nie A i A dge 0 cyli fałsz

$$(\sim A + C) (AB) = \sim AAB + CAB = 0 \cdot B + CAB = 0 + CAB = CAB$$

2°

$$(\sim A + C) (\sim A \sim B) = \sim A \sim B + C \sim A \sim B = C \sim A \sim B + \sim A \sim B$$

3°

$$(\sim A + C) (AC) = 0 + CAC = CAC$$

$B+1=1$   
 $C+1=1$   
1 - prawdziwy  
0 - fałszywy

4°

$$CAB + CAC + C \sim A \sim B + \sim A \sim B = CAB + AC + C \sim A \sim B + \sim A \sim B = AC(B+1) + \sim A \sim B(C+1) = AC + \sim A \sim B$$

$a = 19$   
 $b = 11$   
 $c = 1$

1

$$(98273)_{10} = (35966)_{13}$$

9	8	2	7	3	13
7	5	5	9	13	6
5	8	1	13	13	6
4	4	4	13	13	9
3	3	3	3	3	5
					3