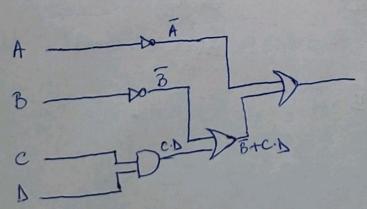


$$O = \overline{A} + \overline{B} + \overline{(\overline{C \cdot b}) \cdot (B + c) + (C \cdot b) \cdot (B + c)}$$

$$0 = \overline{A} + \overline{B} + (\overline{CD} + \overline{B} + \overline{C})(\overline{C} + \overline{D} + \overline{B} + \overline{C})$$

$$0 = \overline{A} + \overline{B} + (C \cdot \Delta + \overline{B} \cdot \overline{C}) \cdot 1$$

SCHEMA MINIMALIZATA



(C.D) (B+C) = (C.D) · (B+C) + (C.D) · (B+C)

Aplic de Morgan AB = A+B Aplic var deMorgan Aplic dubla negare $\overline{A} = A$ Aplie de Morgan A+B = A·B Aplic complemental A+A=1 Aplic elementul neutru A+1=1 Aplic identitatea A. 1 = A) Aplie absorptia A+A·B=A

TABELA DE ADEVĂR							
_ A	13	10	10	10			
_0	0	0	0	1			
_ 0	0	0	1	1			
_0	0	1	0	1			
_0	0	1	1	1			
_0	1	0	0	1			
_0	1	0	11	1			
_ 0	1	1	0	1			
_0	1	1	1	1			
1	0	0	0	1			
_1	0	0	1	1			
_ 4	0	1	0	1			
-1	0	1	1	1			
1	1	0	0	0			
1	1	0	1	0			
_ 1	1	1	0	0			
1	1	1	1	1			

1+1+1.1=1

ABCD + AB

VK		FND	-> sum	à de produse
ABCA	00	01	1 11	1 10
00	1	1	1	1
01	1	1	1	1 1
11			1	TII .
10	1	1	1	1)11

Verilog
assign 0 = (~A) 1 (~B) 1 (Clb);