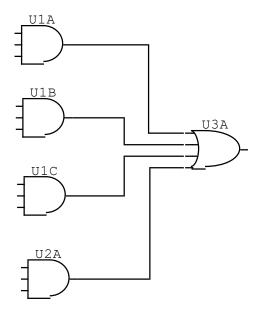
Uma função combinacional pode ser especificada pelas entradas com saída em nível lógico 1 ou 0.

Uma função combinacional pode ser especificada pelas entradas com saída em nível lógico 1 ou 0.

Os MINTERMOS especificam as combinações de entrada onde a função apresenta nível lógico 1.

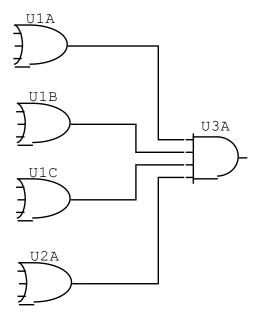
SDP – Soma de Produtos



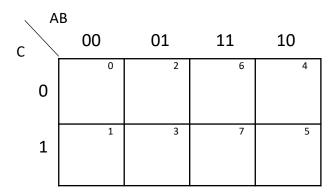
Uma função combinacional pode ser especificada pelas entradas com saída em nível lógico 1 ou 0.

Os MAXTERMOS especificam as combinações de entrada onde a função apresenta nível lógico 0.

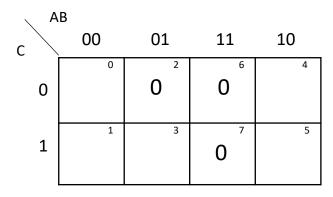
PDS – Produto de Somas



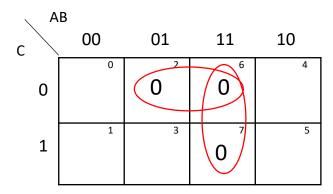
ABC	Mintermo	Maxtermo
000	$m_0 - \bar{A}.\bar{B}.\bar{C}$	M ₀ - (A+B+C)
001	$m_1 - \overline{A}.\overline{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \bar{A}.B.\bar{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+B+C)$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B̄.C	M ₅ - (Ā+B+C̄)
110	m ₆ - A.B.C	M ₆ - (A+B+C)
111	m ₇ - A.B.C	$M_7 - (\overline{A} + \overline{B} + \overline{C})$



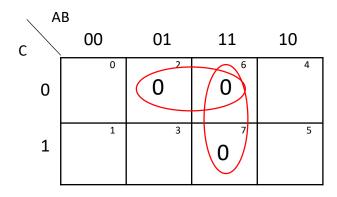
ABC	Mintermo	Maxtermo
000	$m_0 - \bar{A}.\bar{B}.\bar{C}$	M ₀ - (A+B+C)
001	$m_1 - \overline{A}.\overline{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \bar{A}.B.\bar{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+\overline{B}+\overline{C})$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B.C	$M_5 - (\bar{A} + B + \bar{C})$
110	m ₆ - A.B.C	$M_6 - (\overline{A} + \overline{B} + C)$
111	m ₇ - A.B.C	$M_7 - (\overline{A} + \overline{B} + \overline{C})$



ABC	Mintermo	Maxtermo
000	$m_0 - \bar{A}.\bar{B}.\bar{C}$	M ₀ - (A+B+C)
001	$m_1 - \overline{A}.\overline{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \bar{A}.B.\bar{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+B+C)$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B.C	$M_5 - (\bar{A} + B + \bar{C})$
110	m ₆ - A.B.C	$M_6 - (\overline{A} + \overline{B} + C)$
111	m ₇ - A.B.C	$M_7 - (\bar{A} + \bar{B} + \bar{C})$

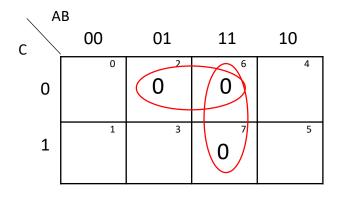


ABC	Mintermo	Maxtermo
000	$m_0 - \bar{A}.\bar{B}.\bar{C}$	M ₀ - (A+B+C)
001	$m_1 - \overline{A}.\overline{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \overline{A}.B.\overline{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+\overline{B}+\overline{C})$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B.C	$M_5 - (\bar{A} + B + \bar{C})$
110	m ₆ - A.B.C	$M_6 - (\overline{A} + \overline{B} + C)$
111	m ₇ - A.B.C	$M_7 - (\overline{A} + \overline{B} + \overline{C})$



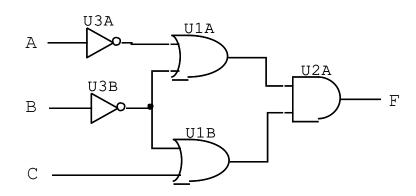
$$F(A,B,C) = (A+B).(B+C)$$

ABC	Mintermo	Maxtermo
000	m ₀ - Ā.B.C	M ₀ - (A+B+C)
001	$m_1 - \bar{A}.\bar{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \overline{A}.B.\overline{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+\overline{B}+\overline{C})$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B.C	$M_5 - (\bar{A} + B + \bar{C})$
110	m ₆ - A.B.C	$M_6 - (\overline{A} + \overline{B} + C)$
111	m ₇ - A.B.C	$M_7 - (\bar{A} + \bar{B} + \bar{C})$



ABC	Mintermo	Maxtermo
000	m _o - Ā.B.C	M ₀ - (A+B+C)
001	$m_1 - \overline{A}.\overline{B}.C$	M_1 - (A+B+ \overline{C})
010	$m_2 - \overline{A}.B.\overline{C}$	M ₂ - (A+B+C)
011	m ₃ - Ā.B.C	M_3 - $(A+B+C)$
100	m ₄ - A.B.C	M ₄ - (Ā+B+C)
101	m ₅ - A.B.C	$M_5 - (\bar{A} + B + \bar{C})$
110	m ₆ - A.B.C	M ₆ - (Ā+B+C)
111	m ₇ - A.B.C	M ₇ - (Ā+Ē+Ē)

$$F(A,B,C) = (A+B).(B+C)$$

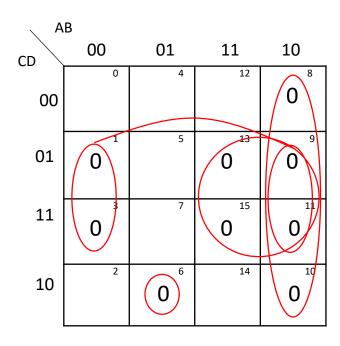


- Minimizar a função $f(A,B,C,D) = \Pi M(1,3,6,8,9,10,11,13,15)$

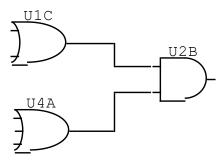
- Minimizar a função $f(A,B,C,D) = \Pi M(1,3,6,8,9,10,11,13,15)$

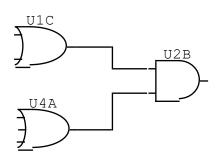
\ A	В			
CD	00	01	11	10
	0	4	12	8
00				0
	1	5	13	9
01	0		0	0
11	3	7	15	11
	0		0	0
	2	6	14	10
10		0		0
				-

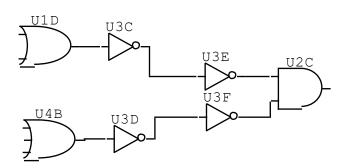
- Minimizar a função $f(A,B,C,D) = \Pi M(1,3,6,8,9,10,11,13,15)$

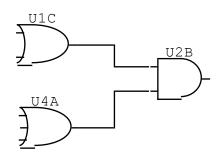


$$f(A,B,C,D) = (A+B+C+D).(A+B).(A+D).(B+D)$$









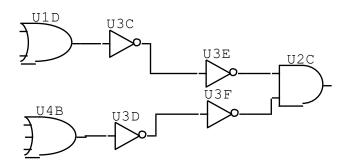
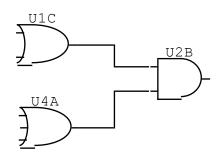


Tabela Verdade NOR

AB	Saída
00	1
01	0
10	0
11	0



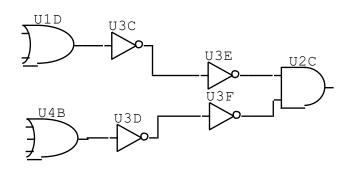


Tabela Verdade NOR

AB	Saída
00	1
01	0
10	0
11	0

