

$$f(A, B, C) = \sum m(0, 2, 3, 6).$$

## 1. SOP

Tabela Verdade

	A	B	C	S
0	0	0	0	1
1	1	0	0	0
2	0	1	0	1
3	1	1	0	1
4	0	0	1	0
5	1	0	1	0
6	0	1	1	1
7	1	1	1	0

a)Escreva a SOP Padrao

$$f(A, B, C) = (m0 + m2 + m3 + m6)$$

b)Apresente o K-map para SOP Padrao

<div>C</div> <div>AB</div>	00	01	11	10	
0	1	1	1	0	
1	0	1	0	0	

c)Marque as aglutinacoes possiveis no K-map, empregando replicacoes onde for necessario.

<div>C</div> <div>AB</div>	00	01	11	10	
0	1	1	1	0	
1	0	1	0	0	

d)Obtenha a SOP minima, a partir do K-map.

- ~~A=0/1   B=1   C=0   B.C~~
- ~~A=0   B=1/0   C=0    $\bar{A}.\bar{C}$~~
- ~~A=0   B=1   C=1/0   B. $\bar{A}$~~

$$f(A, B, C) = B.\bar{C} + \bar{A}.\bar{C} + B.\bar{A}$$

## 2. POS

a)Escreva a POS Padrao

$$f(A, B, C) = (M1.M4.M5.M7)$$

b)Apresente o K-map para POS Padrao

<div>C</div> <div>AB</div>	00	01	11	10	
0	1	1	1	0	
1	0	1	0	0	

c)Marque as aglutinacoes possiveis no K-map, empregando replicacoes onde for necessario.

<div>C</div> <div>AB</div>	00	01	11	10	
0	1	1	1	0	
1	0	1	0	0	0

d)Obtenha a SOP minima, a partir do K-map.

- ~~A=1   B=0   C=0/1    $\bar{A}+B$~~
- ~~A=1   B=1/0   C=1    $\bar{A}+\bar{C}$~~
- ~~A=1/0   B=0   C=1   B+ $\bar{C}$~~

$$f(A, B, C) = (B+\bar{C}).(\bar{A}+\bar{C}).(B+\bar{A})$$