$f(A, B, C) = \sum m(7, 8, 12, 13, 14, 15).$ 

## 1.SOP

a)Escreva a SOP Padrao

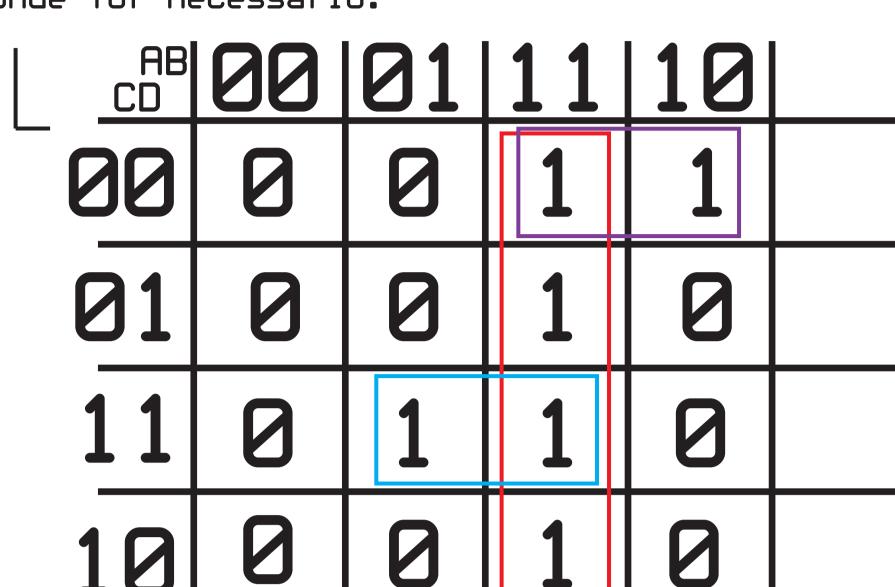
f(A, B, C) = (m7+m8+m12+m13+m14+m15)

b) Apresente o K-map para SOP Padrao

– AB CD	00	01	11	10	
00	0	0	1	1	
01	0	0	1	0	
11		1	1	0	
10	0	0	1	0	

Tabela Verdade

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



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

● A=1 B=1 C=0/1 D=0/1 A.B

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

## 2. POS

a)Escreva a POS Padrao f(A. B. C) = (M0.M1.M2.M3.M4.M5.M6.M9.M10.M11)

onde for necessario.

b) Apresente o K-map para POS Padrao

CD			<b>T T</b>	10	
00	0		1	1	
01	0	0	1	0	
11	0	1	1	0	
10	0	0	1	0	

AB 00 101 11 1 10 1

c) Marque as aglutinacoes possíveis no K-map, empregando replicacoes

<u>CD</u>			<b>T</b> T	TO	
00	0	0	1	1	0
01	0	0	1	0	0
11	0	1	1	0	0
10	0	0	1	0	0
	0	0	1	1	8

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

A=0/1 B=0 C=0/1 D=1

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