1.SOP

a)Escreva a SOP Padrao

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

b) Apresente o K-map para SOP Padrao

	00	·	•		
0	1	1	1	0	
1	0	1	8	0	

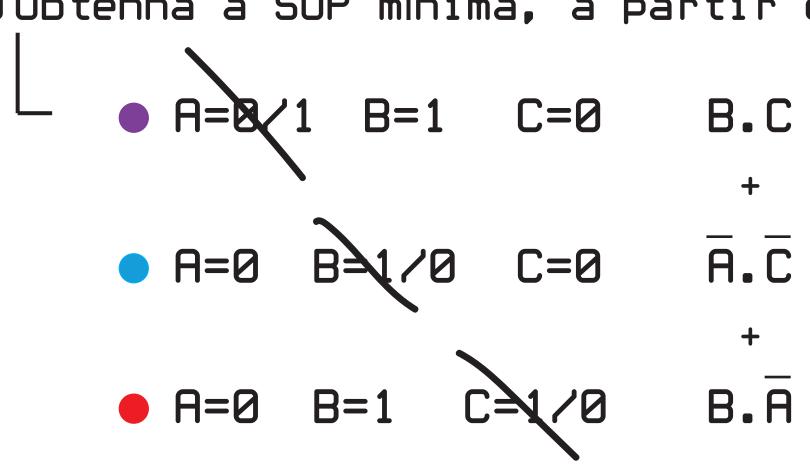
Tabela Verdade

		–	V C	
	A	В	C	S
0	Ø 1	0	0	1
1		0	0	0
2	0	1	00001	1
3	0 1	1	0	1
4	0	0	1	0
5	1	0011001	1	0 1 1 0 0
6	0	1	1	1
7	1	1	1	0

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

_	AB C	88	01	11	10	
·	0	1	1	1	0	
•	1	0	1	8	8	

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



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

2.P0S

a) Escreva a POS Padrao

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

b) Apresente o K-map para POS Padrao

AB C	00	01	11	10	
8	1	1	1	0	
1	0	1	8	0	

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

_	AB C	88	01	11	10	
	0	1	1	1	0	
ı	1	0	1	0	0	0

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

•
$$A=1$$
 $B=1/0$ $C=1$ $A+C$

$$\bullet$$
 A=1/0 B=0 C=1 B+ \overline{C}

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