

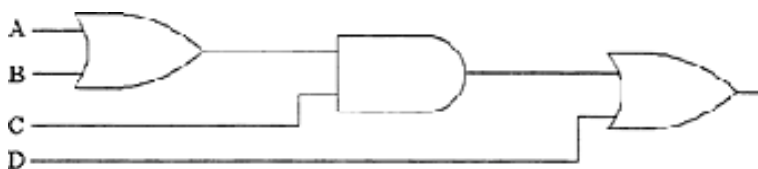
Disciplina: Natureza da Informação (BCM0504) – 2018-Q3

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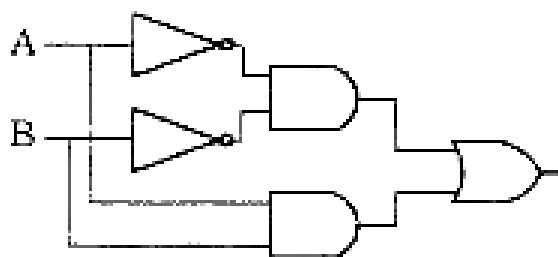
Lista de Exercícios 02 [Álgebra Booleana]

1. Qual é a expressão equivalente a cada um dos seguintes circuitos?

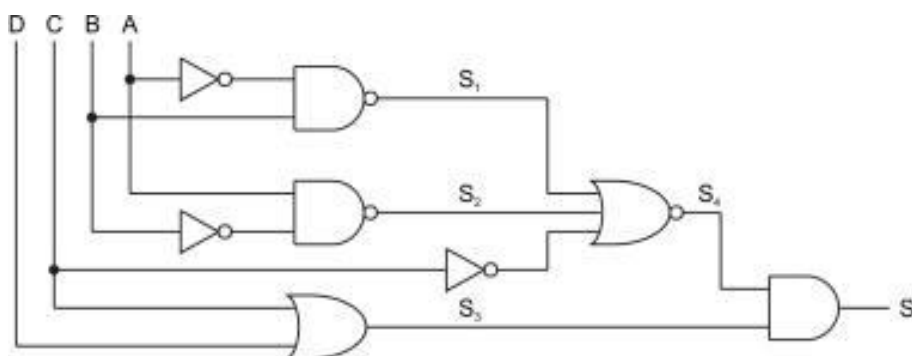
a)



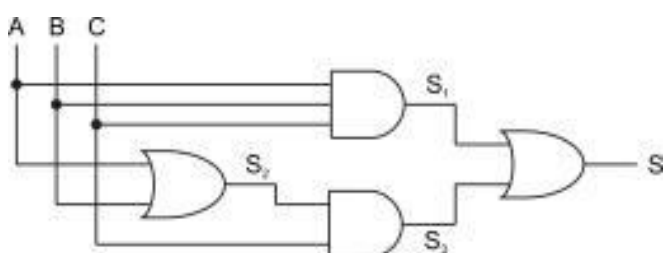
b)



c)



d)



2. Qual é o circuito equivalente a cada uma das seguintes expressões?

a)

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

b)

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