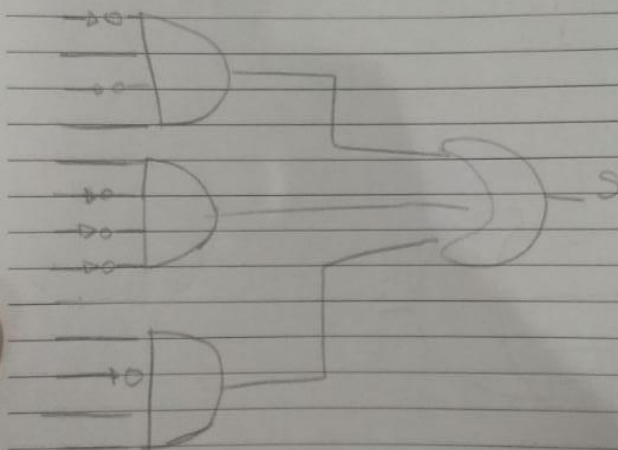


⑥ Dada a tabela Verdade a seguir, desenhe o circuito lógico e a expressão Booleana.

A	B	C	D	S
0	1	0	1	1
1	0	0	0	1
1	0	1	1	1

$$S = (\bar{A}B\bar{C}D) + (A\bar{B}\bar{C}\bar{D}) + (A\bar{B}CD)$$



① Dado o circuito abaixo faça Tabela Verdade e a Expressão Booleana

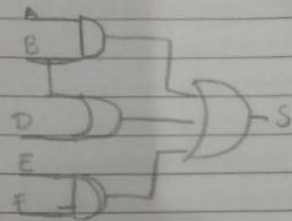
$$S = (A \cdot B \cdot C) \cdot (D \cdot E)$$

② Dado o circuito abaixo faça a tabela Verdade e a Expressão Booleana.

$$S = \neg((A+B+C) \cdot (D+E))$$

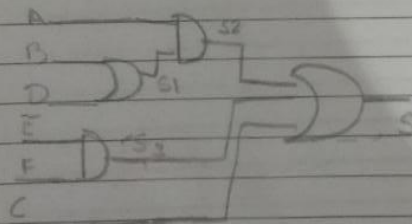
③ Dada a Expressão booleana apresente o Circuito Lógico e a Tabela Verdade

$$S = (AB) + (B + D) + (EF)$$



④ Dada a expressão booleana apresente o circuito lógico e a tabela Verdade

$$S = A(B + D) + (EF) + C$$



Lista de Exercício

5) Dada a tabela verdade a seguir, Desenhe o circuito lógico e a expressão Booleana.

A	B	C	D	S
0	0	0	1	1
0	0	1	1	1
1	0	0	0	1
1	1	1	1	1

$$S = (!A \cdot !B \cdot C \cdot D) + (!A \cdot B \cdot C \cdot D) + (A \cdot B \cdot !C \cdot !D) + (A \cdot B \cdot C \cdot D)$$

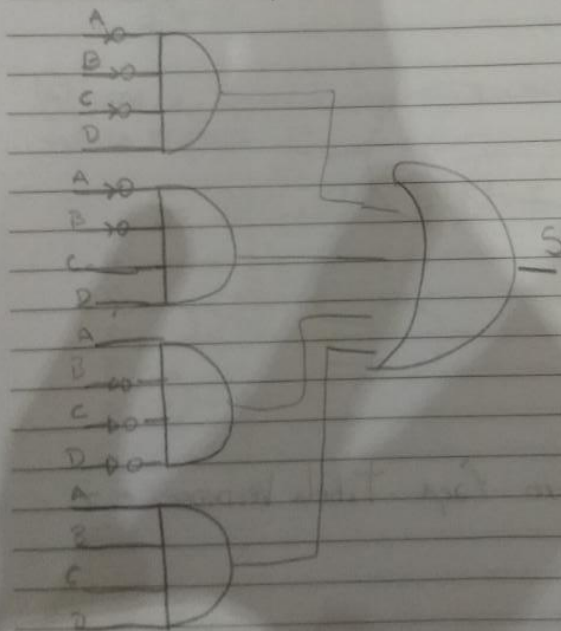


Tabela Verdade Exercício 1							
A	B	C	D	E	S1	S2	S
0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0
0	0	0	1	1	0	1	0
0	0	1	0	0	0	0	0
0	0	1	0	1	0	0	0
0	0	1	1	0	0	0	0
0	0	1	1	1	0	1	0
0	1	0	0	0	0	0	0
0	1	0	0	1	0	0	0
0	1	0	1	0	0	0	0
0	1	0	1	1	0	1	0
0	1	1	0	0	0	0	0
0	1	1	0	1	0	0	0
0	1	1	1	0	0	0	0
0	1	1	1	1	0	1	0
1	0	0	0	0	0	0	0
1	0	0	0	1	0	0	0
1	0	0	1	0	0	0	0
1	0	0	1	1	0	1	0
1	0	1	0	0	0	0	0
1	0	1	0	1	0	0	0
1	0	1	1	0	0	0	0
1	0	1	1	1	0	1	0
1	1	0	0	0	0	0	0
1	1	0	0	1	0	0	0
1	1	0	1	0	0	1	0
1	1	0	1	1	0	1	0
1	1	1	0	0	1	0	0
1	1	1	0	1	1	0	0
1	1	1	1	0	1	0	0
1	1	1	1	1	1	1	1

Tabela Verdade Exercício 2							
A	B	C	D	E	S1	S2	S
0	0	0	0	0	0	0	1
0	0	0	0	1	0	1	1
0	0	0	1	0	0	1	1
0	0	0	1	1	0	1	1
0	0	1	0	0	1	0	1
0	0	1	0	1	1	1	0
0	0	1	1	0	1	1	0
0	0	1	1	1	1	1	0
0	1	0	0	0	1	0	1
0	1	0	0	1	1	1	0
0	1	0	1	0	1	1	0
0	1	0	1	1	1	1	0
0	1	1	0	0	1	0	1
0	1	1	0	1	1	1	0
0	1	1	1	0	1	1	0
0	1	1	1	1	1	1	0
1	0	0	0	0	1	0	1
1	0	0	0	1	1	1	0
1	0	0	1	0	1	1	0
1	0	0	1	1	1	1	0
1	0	1	0	0	1	0	1
1	0	1	0	1	1	1	0
1	0	1	1	0	1	1	0
1	0	1	1	1	1	1	0
1	1	0	0	0	1	0	1
1	1	0	0	1	1	1	0
1	1	0	1	0	1	1	0
1	1	0	1	1	1	1	0
1	1	1	0	0	1	0	1
1	1	1	0	1	1	1	0
1	1	1	1	0	1	1	0
1	1	1	1	1	1	1	0
1	1	1	1	1	1	1	0

