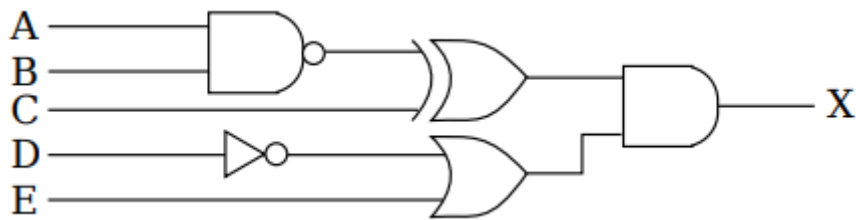
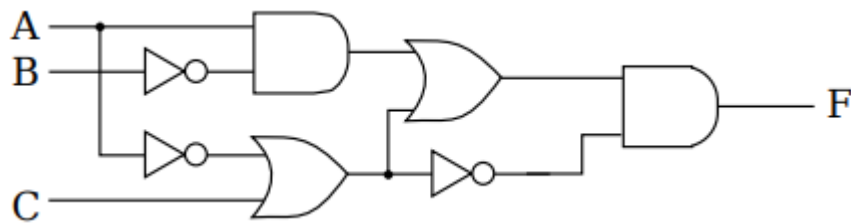




Nome: \_\_\_\_\_ Prontuário: \_\_\_\_\_

1 – Para cada um dos circuitos abaixo, determine uma expressão lógica para X a partir do circuito digital.



2 – Construa os circuitos digitais das expressões dadas:

(a)  $X = AB + CDE$

(b)  $X = A + (B + CD) \cdot (B + A)$

(c)  $F = (A + B) \cdot (C + D) \cdot E$

(d)  $Y = A \cdot B \cdot (C + D) + E$

(e)  $Y = (A + B) \cdot (C + D) + E$

(f)  $Z = A + (BC + DE) + FG + H$

(g)  $X = A(B \oplus C)$

(h)  $X = (\overline{A + B})(C \oplus (A + \overline{D}))$

(i)  $X = B\overline{C}A + \overline{(\overline{C} \oplus D)}$

(j)  $X = ((A + \overline{B \oplus D}) \cdot (\overline{C} + A) + B) \cdot \overline{A + B}$

(k)  $X = A \oplus B + \overline{C}B + \overline{A}$