

2B.

$$a) Y = AB + A\bar{B}(\bar{A} + \bar{C}) = AB + \underbrace{A\bar{B}\bar{A}}_0 + A\bar{B}\bar{C}$$

$$Y = AB + A\bar{B}\bar{C} = A(B + \bar{B}\bar{C}) = A \cdot \underbrace{(B + \bar{B})}_1 \cdot (B + \bar{C})$$

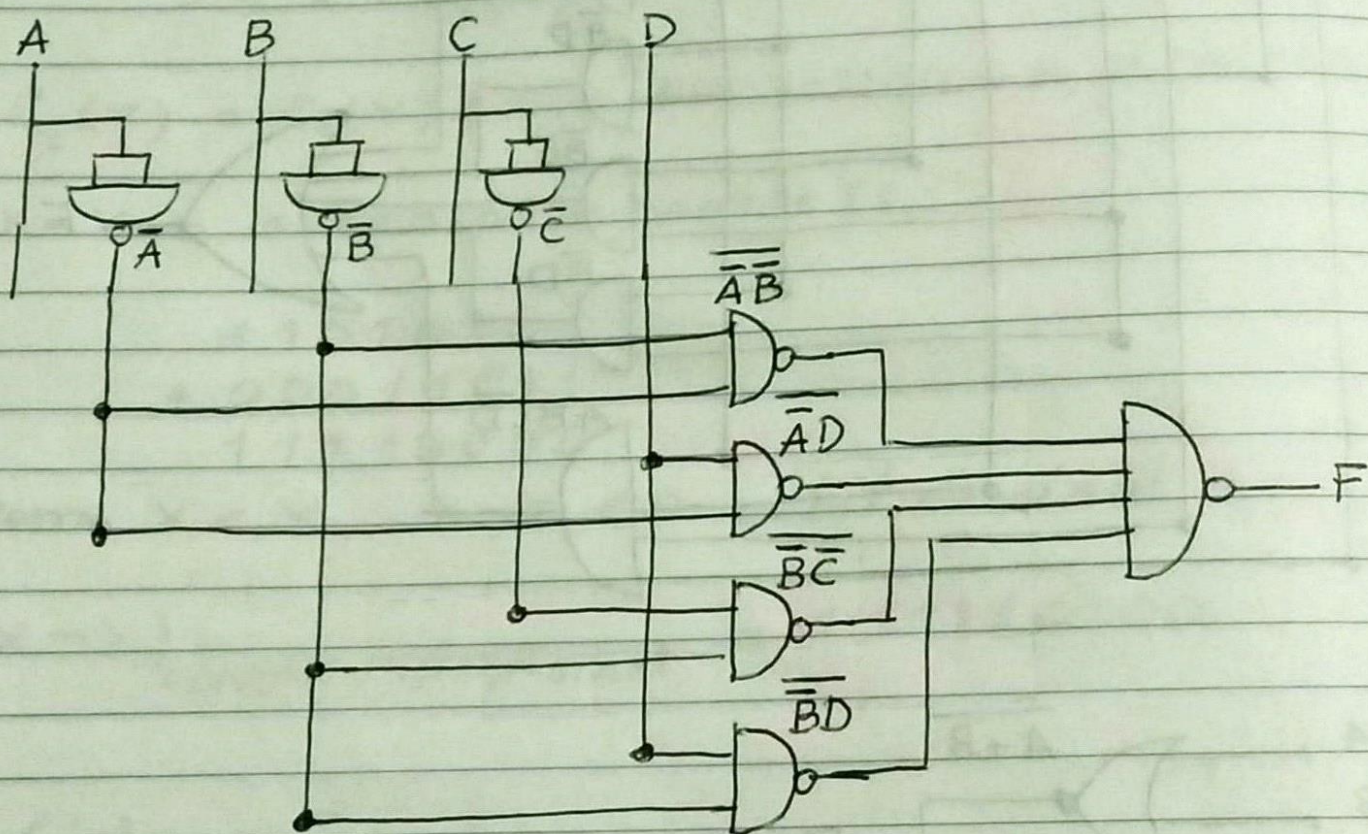
propriedade distrib. + vs.

$$Y = A(B + \bar{C})$$

b)  $F = \bar{A}\bar{B} + \bar{A}D + \bar{B}\bar{C} + \bar{B}D$  com operações NAND

$$F = \bar{F} = \overline{\bar{A}\bar{B} + \bar{A}D + \bar{B}\bar{C} + \bar{B}D} = \overline{\bar{A}\bar{B}} \cdot \overline{\bar{A}D} \cdot \overline{\bar{B}\bar{C}} \cdot \overline{\bar{B}D}$$

operações NAND



c)

