Grupo 2

(2A)

a) $Y = \overline{A\bar{B}C + \overline{BC} + \bar{C}}$

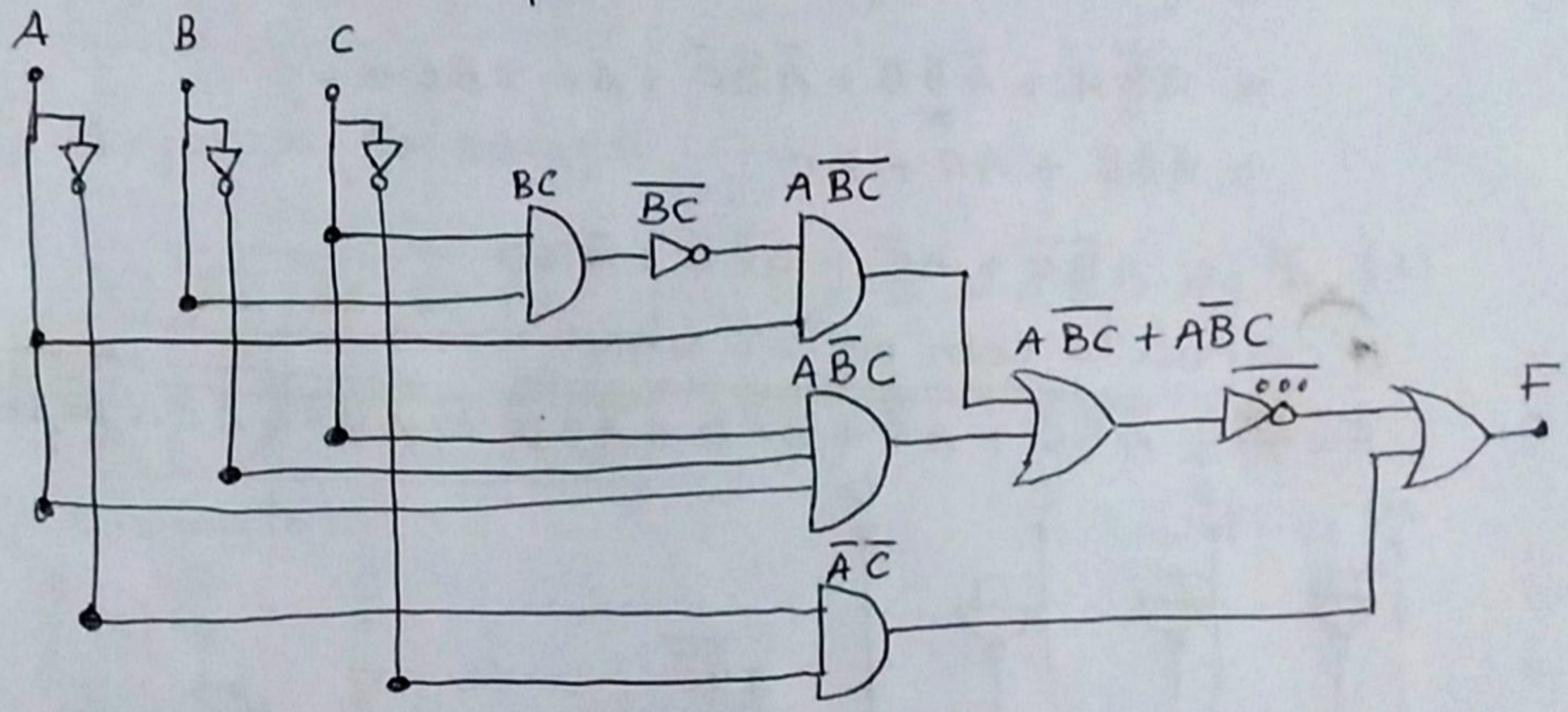
$= \overline{A\bar{B}C + \bar{B} + \bar{C} + \bar{C}} = \overline{A\bar{B}C + \bar{B} + \bar{C}}$

$= \overline{\bar{B}(1 + AC) + \bar{C}} = \overline{\bar{B} + \bar{C}} = \bar{\bar{B}} \cdot \bar{\bar{C}}$

$= BC$

b) $F = \overline{A\overline{BC} + A\bar{B}C} + \bar{A}\bar{C}$

Circuito com portas AND, OR e NOT



c)

$X = AC + AD + BC + BD$ (soma de produtos)