2)
$$F(A,B,C,D) = TT(3,4,6,7,11,12,13,14,15)$$

AB CD OO OI II 10

OO OO

II OO OOO

II OO OO

II OOO

II OO OO

II OOO

II OO OO

II OOO

II OO OO

II OOO

II OOO

II OOO

II O

Group x

$$F(A,B,C,D) = (\overline{B}+D)(\overline{A}+\overline{B})(\overline{C}+\overline{D})$$

Group
$$x = (\overline{B} + D)$$

 $y = (\overline{A} + \overline{B})$
 $z = (\overline{C} + \overline{D})$