

Representar en un mapa de Karnaugh las siguientes funciones:

1. $f(A, B, C, D) = \bar{B} \bar{C} \bar{D} + A B \bar{D} + \bar{A} B D$

5. $f(A, B, C, D) = \bar{D} + \bar{A} \bar{C} + A C + \bar{A} \bar{B}$

2. $f(A, B, C, D) = B D + \bar{A} B C \bar{D}$

6. $f(A, B, C, D) = \bar{B} \bar{D} + \bar{A} \bar{C}$

3. $f(A, B, C, D) = \bar{A} \bar{B} \bar{D} + A B \bar{D} + A \bar{B} C$

7. $f(A, B, C, D) = (\bar{A} + B + C)(A + \bar{D})(\bar{B} + \bar{D})(A + B)$

4. $f(A, B, C, D) = \bar{A} \bar{C} D + \bar{A} B C + A B \bar{C} + A C D$

8. $f(A, B, C, D) = (\bar{A} + \bar{C})(A + \bar{B})(B + \bar{D})$

Mostrar por medio de mapas de Karnaugh:

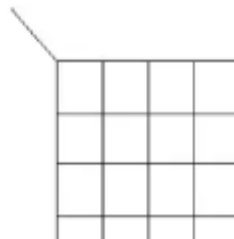
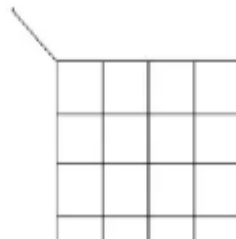
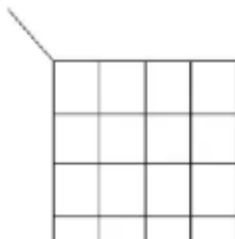
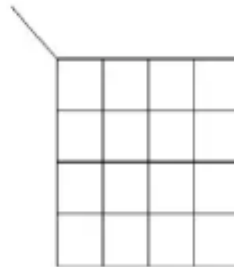
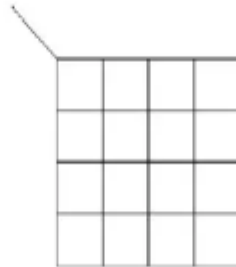
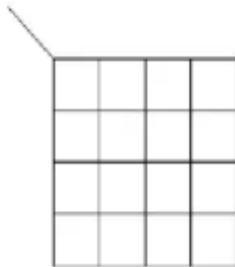
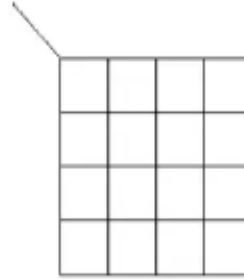
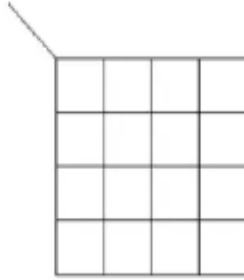
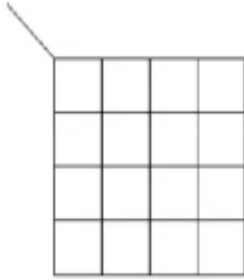
$A + AB = A$

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

$\bar{A} + AB = \bar{A} + B$

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

$AB + A\bar{B} = A$



SOLO LOS PRIMEROS 8 EJERCICIOS