Tabla: álgebra de Boole

Postulados y teoremas del álgebra de Boole

Propiedades	Forma OR	Forma AND
Conmutativa	$A + B = B + A$	$A . B = B . A$
Distributiva	$A.(B + C) = A . B + A . C$	$A + (B . C) = (A + B).(A + C)$
Identidad	$A + 0 = A$	$A . 1 = A$
Complemento	$A + \bar{A} = 1$	$A . \bar{A} = 0$
Asociativa	$A + (B + C) = (A + B) + C$ $= A + B + C$	$A.(B.C) = (A . B).C = ABC$
Idempotencia	$A + A = A$	$A . A = A$
Elementos Nulos	$A + 1 = 1$	$A . 0 = 0$
Involutiva	$\bar{\bar{A}} = A$	
Absorción	$A + (A . B) = A$	$A.(A + B) = A$
De Morgan	$\overline{(A + B)} = \bar{A} . \bar{B}$	$\overline{(A . B)} = \bar{A} + \bar{B}$
Transposición	$A . B + \bar{A} . C = (A + C).(\bar{A} + B)$	
Consenso	$A.B + \bar{A}.C + B.C$ $= A.B + \bar{A}.C$	$(A + B).(\bar{A} + C).(B + C)$ $= (A + B).(\bar{A} + C)$