

Logic operations

Column form

AND

	T	T	T	T	T	T
AND	T	F	T	F	T	F

OR

	T	T	T	T	T	F
OR	T	F	T	F	T	F

NOT

	T	F	T	F	T	T
NOT						

Form of a truth table

A	B	A or B	Not (A or B)	Not B	A and (Not B)	(Not (A or B)) or (A and (Not B))
FALSE	FALSE					
FALSE	TRUE					
TRUE	FALSE					
TRUE	TRUE					

Free form

T AND T AND F AND T AND T
F OR F OR T OR F OR F OR F OR F
(T OR F) AND (F OR T)
F OR (T AND T)
NOT (NOT (NOT (NOT (NOT F))))