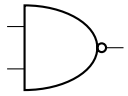
TABLE I
NAND GATE

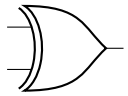


$Y = \overline{A \cdot B}$

	F	T
F	F	F
T	F	T

Input1	Input2	Output
		1
	1	
1		
1	1	

TABLE II
(EXCLUSIVE)EX-OR GATE

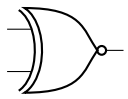


$Y = A \oplus B$

	F	T
F	F	T
T	T	F

Input1	Input2	Output
	1	1
1		1
1	1	

TABLE III
EXCLUSIVE OR GATE = EX-NOR GATE , BOOLEAN EX



$Y = \overline{A \oplus B}$

	F	T
F	T	F
T	F	T

Input1	Input2	Output
		1
	1	
1		
1	1	1