Truth Table for the 16 Functions of Two Binary Variables

Inputs	Outputs															
	ZERO	AND	INHIB X, not Y	X	Y, not X	Y	XOR	OR	NOR	COIN	NOT Y	Y impl. X	NOT X	X impl. Y	NAND	ONE
X Y	f_0	f_1	f_2	f_3	f_4	f_5	f_6	f_7	f_8	f_9	f_{10}	f_{11}	f_{12}	f_{13}	f_{14}	f_{15}
0 0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
0 1	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1
1 0	0	0	1	1	0	0	1	1	0	0	1	1	0	0	1	1
1 1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
Symbol		•	/		/		⊕	+	↓	⊙	'	⇒	'	⇒	↑	