

$\bar{A}$	$\bar{B}$	A	B	$AB$	$\bar{A}\bar{B}$	$A\bar{B}$	$\bar{A}B$	B	$\bar{A}B + A\bar{B}$	$A+B$	$\overline{A+B}$	$\overline{AB + A\bar{B}}$	$\bar{B}$	$\bar{A}\bar{B}$	$\bar{A}$	$\bar{A}\bar{B}$	$\bar{A}B$	$\bar{A} + A$
1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
1	0	0	1	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1
0	1	1	0	0	1	1	0	0	1	0	0	1	1	0	0	1	1	1
0	0	1	1	1	0	1	0	1	0	0	1	0	0	1	0	0	1	1

↑

NOR

↑

INV

↑

INV

↑

NAND