Inputs		Output
x	y	x AND y
1	1	1
1	0	0
0	1	0
0	0	0
Innute		Output
Inputs		Output
Inputs x	y	Output $x ext{ XOR } y$
	<i>y</i> 1	
$\underline{}$		x XOR y
$\frac{x}{1}$	1	$\begin{array}{c c} x & XOR & y \\ \hline 0 & \end{array}$
$\begin{array}{c} x \\ \hline 1 \\ 1 \\ \end{array}$	1 0	0 1

XOR

Input	Output
x	NOT x
1	0
0	1