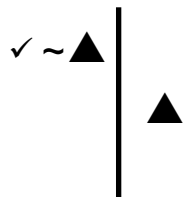


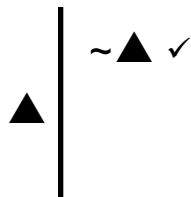
Semantic Rules (in Vertical Line Notation)

True Negation



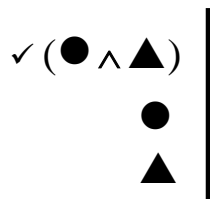
\blacktriangle	$\sim \blacktriangle$
1	0
$\Rightarrow 0$	$1 \Leftarrow$

False Negation



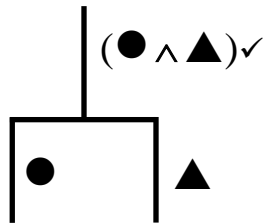
\blacktriangle	$\sim \blacktriangle$
$\Rightarrow 1$	$0 \Leftarrow$
0	1

True Conjunction



\bullet	\blacktriangle	$(\bullet \wedge \blacktriangle)$
1	1	1 \Leftarrow
1	0	0
0	1	0
0	0	0

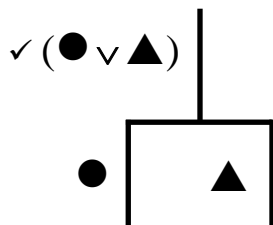
False Conjunction



\bullet	\blacktriangle	$(\bullet \wedge \blacktriangle)$
1	1	1
1	0	0
0	1	0
0	0	0



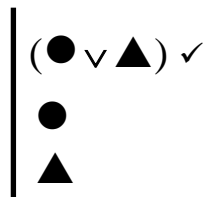
True Disjunction



\bullet	\blacktriangle	$(\bullet \vee \blacktriangle)$
1	1	1
1	0	1
0	1	1
0	0	0



False Disjunction



\bullet	\blacktriangle	$(\bullet \vee \blacktriangle)$
1	1	1
1	0	0
0	1	0
0	0	0

