name	**symbol**	**English**	**type**	**association**	**introduction**	**elimination**
verum	$\top$	true	null	none	$\dfrac{\text{cælum}}{\top}$	$\dfrac{\top}{p \vee \neg p}$
falsum	$\bot$	false	null	none	$\dfrac{p \wedge \neg p}{\bot}$ $\quad$ $\dfrac{\neg p}{p \longrightarrow \bot}$	$\dfrac{p \longrightarrow \bot}{\neg p}$ $\quad$ $\dfrac{\bot}{p}$
negation	$\neg$	not	unary	right	$\dfrac{\left[\begin{array}{c} p \\ \hline \bot \end{array}\right]}{\neg p}$	$\dfrac{\left[\begin{array}{c} \neg p \\ \hline \bot \end{array}\right]}{p}$ $\quad$ $\dfrac{\neg\neg p}{p}$
conjunction	$\wedge$	and	binary	left	$\dfrac{p \quad q}{p \wedge q}$	$\dfrac{p \wedge q}{p}$ $\quad$ $\dfrac{p \wedge q}{q}$
disjunction	$\vee$	or	binary	left	$\dfrac{p}{p \vee q}$ $\quad$ $\dfrac{q}{p \vee q}$	$\dfrac{p \vee q \quad \neg q}{p}$ $\quad$ $\dfrac{\neg p \quad p \vee q}{q}$
condition	$\longleftarrow$	if	binary	left	$\dfrac{\left[\begin{array}{c} q \\ \hline p \end{array}\right]}{p \longleftarrow q}$	$\dfrac{p \longleftarrow q \quad q}{p}$
implication	$\longrightarrow$	if/then	binary	right	$\dfrac{\left[\begin{array}{c} p \\ \hline q \end{array}\right]}{p \longrightarrow q}$	$\dfrac{p \quad p \longrightarrow q}{q}$
equivalence	$\longleftrightarrow$	if and only if	binary	none	$\dfrac{p \longleftarrow q \quad p \longrightarrow q}{p \longleftrightarrow q}$	$\dfrac{p \longleftrightarrow q}{p \longleftarrow q}$ $\quad$ $\dfrac{p \longleftrightarrow q}{p \longrightarrow q}$

Table 1.

A table of rules for "natural deduction," intended to be usable as an everyday, complete, sound system of logic, aesthetically including all "natural" rules and none that are unnatural or unnecessary. The rules are listed (roughly in order of precedence) in terms of "introducing" or "eliminating" the special logical symbols which are named and listed with a *type* indicating the number of operands and an *association,* a preferential direction of grouping the operands. Premises are above and conclusions are below a horizontal line. Square brackets enclose a portion of a proof or a "sub-proof" whose suppositions or assumptions are discharged when it is introduced into the main proof.