

SYMBOLS AND TRANSLATION

Operator	Name	Logical Function	Used to Translate
\sim	tilde	negation	not, it is not the case that
\cdot	dot	conjunction	and also moreover
\vee	wedge	disjunction	or, unless
C (backwards C) horseshoe		implication	if...then...only if
= (3 lines)	triple bar	equivalence	if and only if, sufficient and necessary condition

If Christina Aguilera's singing soul and Justin Timberlake's singing pop are sufficient and necessary conditions for Kelly Clarkson's singing rock, then neither Beyonce nor Shakira will sing rap.

If Christina Aguilera's singing soul and Justin Timberlake's singing pop = $(C \cdot K)$

Are sufficient and necessary conditions for Kelly Clarkson's singing rock= $(=K)$

Then neither Beyonce nor Shakira will sing rap= $C \sim (B \vee S)$

All together: $((C \cdot J) = K) C \sim (B \vee S)$