

A revision to my Analysis of Belief

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Something in addition to the symbol-r relation – for quantification

I have been aware of a problem with my prior analysis of belief – it was necessary to have a symbol relation to any object you can have a belief about. Consider

Tom believes someone denounced Cicero.

‘someone’ is not a symbol – it is a variable.

We need to analyze it as:

$(\exists w)(\exists u)(\exists v)(\exists x)\text{belief_r}(\text{Tom,now,u,x,v}) \ \& \ \text{symbol_1r}(\text{Tom,now,u,denounced}) \ \& \ \text{symbol_Or}(\text{Tom,now,v,Cicero}) \ \& \ \text{variable_Or}(\text{Tom,now,x,w})$

IN OTHER SYMBOLS

$(\text{Ew})(\text{Eu})(\text{Ev})(\text{Ex})\text{belief_r}(\text{Tom,now,u,x,v}) \ \& \ \text{symbol_1r}(\text{Tom,now,u,denounced}) \ \& \ \text{symbol_Or}(\text{Tom,now,v,Cicero}) \ \& \ \text{variable_Or}(\text{Tom,now,x,w})$

Here x is a variable symbol for Tom and w is the range that it may take values from.

Variables are a different ‘part of speech’ having a different sort of application in the world.

Thus it is no longer necessary to have a **symbol_Or** relation to whoever denounced Cicero – although you may.

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