Admirable Consequence (consequentia mirabilis)

Consider the proposition "I exist"

Let's assume for the sake of argument that its negation holds, i.e. "I do not exist."

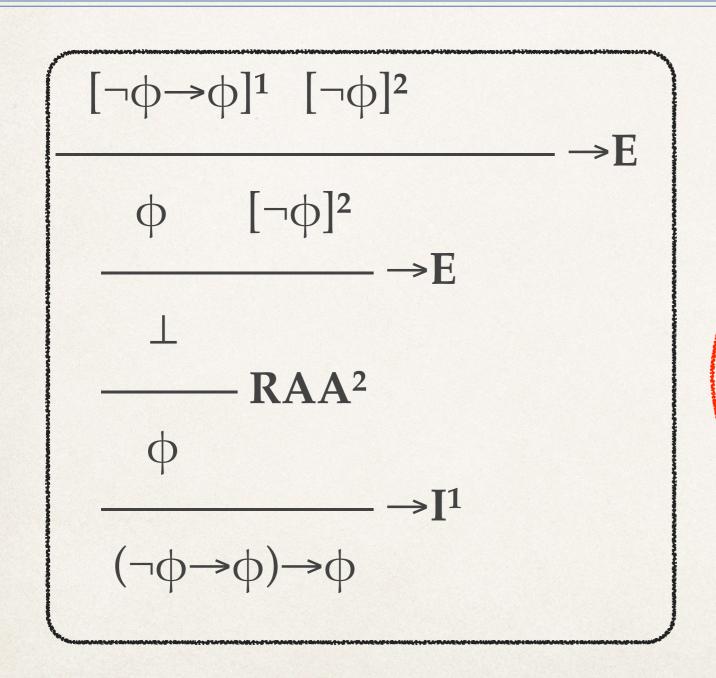
If I do not exist, in order to entertain the proposition "I do not exist" I need to exist, whence "I exist."

$$(\neg \varphi \rightarrow \varphi) \rightarrow \varphi$$



Descartes (sort of...)

Establishing $\vdash (\neg \phi \rightarrow \phi) \rightarrow \phi$



The derivation of $(\neg \varphi \rightarrow \varphi) \rightarrow \varphi$ crucially rests upon **RAA**