

Brief Article

The Author

Variables 1 (Socrates) $Socrates\ Man\ Mortal : Prop.$

Axiom 1 (A1) $A1 : Socrates \Rightarrow Man.$

Axiom 2 (A2) $A2 : Man \Rightarrow Mortal.$

Lemma 1 (soc) $soc : Socrates \Rightarrow Mortal.$

Proof: We will assume

$Hyp : Socrates$

and show

$Mortal.$

Hyp and $A1$ imply

$H : Man.$

H and $A2$ imply

$H0 : Mortal.$

$Mortal$ follows trivially from the assumptions.

We have showed that if

$Hyp : Socrates$

then

$Mortal$

a proof of $Socrates \Rightarrow Mortal$. This is done