

# Gödel's Mathematical Proof of the Existence of God

*Axiom 1 (Dichotomy): A property is positive if and only if its opposite is negative.*

*Axiom 2 (Closure): A property is positive if it includes another positive property.*

*Theorem 1: If a property is positive, then something can logically have that property (it's consistent).*

*Definition: An entity is God-like if it has all positive properties.*

*Axiom 3: Being God-like is a positive property.*

*Axiom 4: A positive property must be logically and necessarily true.*

*Definition: A property  $P$  is the essence of an entity  $x$  if  $x$  has  $P$ , and  $P$  is minimal (no smaller set of properties defines  $x$ ).*

*Theorem 2: If an entity is God-like, then being God-like is its essential characteristic.*

*Definition: An entity  $x$  necessarily exists if it has at least one essential property.*

*Axiom 5: Necessary existence (having at least one essential property) is a positive property, so being God-like means necessary existence.*

*Theorem 3: Therefore, there must exist at least one God-like entity.*