

# September 2007, Sec I, #16

- It might seem like a good argument, one that applies contrapositive logic.

- $ET \rightarrow UFO$

$\sim UFO$

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$\sim ET$

- But that diagram ignores the idea of “belief.” Maybe all those who believe in ET believe in UFOs, but the non-existence of UFOs does not imply the non-existence of ETs. It doesn’t really matter what people believe in a question of scientific logic.
- The correct answer must be flawed in a similar way. B and C mention what “you” believe, and so do not discuss what actually exists.
- E is close, but reverses sufficient and necessary. In the stimulus, the UFOs, in the necessary condition of the first claim, the entity that was proven not to exist in the evidence. But here the sufficient condition is shown to not exist.