

# Nonfirstorderizability

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To show in general the nonfirorderizability of an English sentence we translate it into the langauge of (first or second-order) arithmetic and show that it is true in every nonstandard model but false in the standard model. I don't understand how this shows an English sentence (e.g. the Geach-Kaplan one: 'some critics admire only one another') nonfirstorderizable. What is the relevancy of arithmetic in this technique?

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