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Logic and ontology. (Spanish. English summary)

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The author summarizes the goal of his essay in the following terms: "We discuss the way logical consequence depends on what sets there are. We try to find out what set-theoretic assumptions have to be made to determine a logic, i.e., to give a definite answer as to whether any given argument is correct. Consideration of second-order logic—which is left highly undetermined by the usual set-theoretical axioms—prompts us to suggest a slightly different but natural notion of logical consequence, which reduces the indeterminacy of second-order logic without interfering with first-order logic."

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