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On implicational intermediate logics axiomatizable by formulas minimal in classical logic: a counter-example to the Komori-Kashima problem. (English) Zbl 07450676

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Summary: The Komori-Kashima problem, that asks whether (or not) the implicational intermediate logics axiomatizable by formulas minimal in classical logic are only intuitionistic logic and classical logic, has stood for over a decade. In this paper, we give a counter-example to this problem. Additionally, we also give some open problems derived from this result.

MSC:

03-XX Mathematical logic and foundations

Keywords:

intermediate logic; minimal formulas; axiomatization

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