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Multiple conclusion rules in logics with the disjunction property. (English) [Zbl 06751231](#)

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Summary: We prove that for the intermediate logics with the disjunction property any basis of admissible rules can be reduced to a basis of admissible m-rules (multiple-conclusion rules), and every basis of admissible m-rules can be reduced to a basis of admissible rules. These results can be generalized to a broad class of logics including positive logic and its extensions, Johansson logic, normal extensions of $S4$, n -transitive logics and intuitionistic modal logics.

For the entire collection see [\[Zbl 1364.03006\]](#).

MSC:

03B70 Logic in computer science

Keywords:

intermediate logic; admissible rule; multiple conclusion rule; basis of admissible rules

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