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## FINAL WORD ON A SHORTEST IMPLICATIONAL AXIOM

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In [1] it is shown that the only other candidate for a shortest sole implicational axiom besides the CCCpqrCCrpCsp of Łukasiewicz is (1) CCrpCCCpqrCsp. But (1) is ruled out by the matrix

$$\begin{array}{c|cccc} C & 1 & 2 & 3 \\ \hline *1 & 1 & 3 & 2 \\ 2 & 1 & 3 & 1 \\ 3 & 1 & 1 & 2 \\ \end{array}$$

constructed for other purposes by C. A. Meredith, cf. [2] p. 175. (1) is satisfied but Cpp is rejected.

## REFERENCES

- [1] Tursman, Richard, "The shortest axioms of the implicational calculus," Notre Dame Journal of Formal Logic, vol. IX (1968), pp. 351-358.
- [2] Meredith, C. A., and Prior, A. N., "Notes on the axiomatics of the propositional calculus," *Notre Dame Journal of Formal Logic*, vol. IV (1963), pp. 171-187.

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