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"Um Método de *Tableaux* para o Cálculo Lambek Baseado em Caracterização por Matrizes"

We present a Tableau Method for the Lambek Calculus obtained from a similar one for the Linear Logic, developed by Mantel and Otten. To deal with the noncommutativity, we add new elements and restrictions to the tableau system to make explicit the order of occurrences of subformulae. For instance, formulae are labeled by a position and a prefix, as in the Matrix Characterization, and the closure conditions contain restrictions analogous to those properties that define the validity notion of such a system, so-called complementarity of matrices. The Matrix Characterization is based on the construction of intermediate sequent calculi, in accordance with the technique of focusing proofs developed by Andreoli for the Linear Logic. The soundness and completeness results for the Tableau Method are obtained by proving the equivalence of the derivability notion of the Lambek Calculus and each intermediate sequent system, the notion of complementarity of matrices and the validity notion of the Tableau Method.