

In this paper we are studying the Tableaux Calculus a related methods. We adopt basic notions and present the tableaux calculus for the First-Order Logic. Then we present the Beckert and Possega [5] prover. We extend this prover with speed-up technique and compare the results with the original prover. Then we present the tableaux T system of Degtyarev and Voronkov [3] supposed to handle the equality. The main benefit of this paper is the implementation the the T system prover. We also present a library providing tools to work with the objects of the First-Order Logic in the programming language Python.