

# On Some Conjectures in Proof Complexity

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## **Abstract**

Our aim is to study conjectures that are somehow connected with consistency and/or incompleteness of first order theories. We want to fully understand (1) how far we can go by considering stronger and stronger conjectures and (2) whether the system of conjectures splits into incomparable ones, or whether there are always stronger unifying conjectures. Currently the conjectures that we have can be classified into two levels - uniform and nonuniform, and two directions - universal and existential. We still hope to be able to find a stronger unifying conjecture.