

TITLE: QBF-Based Synthesis Methods for Safety Specifications

ABSTRACT: Existing synthesis algorithms are often implemented with Binary Decision Diagrams (BDDs), inheriting their scalability limitations. This talk discusses ideas to synthesize finite-state systems from safety specifications using decision procedures for quantified Boolean formulas (QBF-solvers). We also present first experimental results. This is work in progress, done in collaboration between three different groups of the COST Action.