

Decision Procedures and Verification

Seminar 11

1. (1 point) Prove Craig interpolation theorem for propositional logic. (Hint: Use induction on number of variables occurring in A but not in B.)
2. (1 point) Prove correctness of using function summary computed as interpolant in checking unreachability of assertion violation, i.e. prove that if assertion is proven unreachable using interpolant summary, then it is unreachable.