



Equivalence in QCSP (QBF)

Submitted by Emmanuel Lemoine on Mon, 10/06/2014 - 18:23

Titre Equivalence in QCSP (QBF)
Type de publication Communication
Type Communication avec actes dans un congrès
Année 2011
Langue Anglais
Date du colloque 2011
Titre du colloque ERCIM Workshop on Constraint Solving and Constraint Logic Programming, CSCLP'11
Titre des actes ou de la revue Proceedings of the Workshop on Constraint Solving and Constraint Logic Programming
Pagination 44 - 58
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Pays Royaume-Uni
Editeur ERCIM
Ville York

Résumé en anglais

The QBF validity problem with any propositional formula may be seen as a QCSP. In this frame, we introduce a new constraint: the equivalence constraint and prove that it is stronger than equality constraint. In order to design this equivalence constraint, we introduce a new sequent calculus for QBF which is based on an equivalence relation over subformulae. This sequent calculus is proven to be sound and complete w.r.t. the semantics of the QBF. Based on this system, we define our equivalence constraint in such a way that QCSP(QBF) may be seen as a CSP(QBF) with a quantified search algorithm. We report some experiments in a generic constraint development environment.

Notes Date du colloque : 04/2011
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Lien vers le document http://www.researchgate.net/publication/221353663_Optimization_Methods_f... [4]
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Liens

[1] <http://okina.univ-angers.fr/vincent.barichard/publications>

[2] <http://okina.univ-angers.fr/igor.stephan/publications>

[3] <http://okina.univ-angers.fr/publications/ua4432>

[4] http://www.researchgate.net/publication/221353663_Optimization_Methods_for_the_Partner_Units_Problem/file/d912f50eee88a320f4.pdf#page=50

