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Enumeration strategies (that is, selection of a variable and a value of its domain) are crucial
components of Constraint Programming: they significantly influence the performances of the solving
process, sometimes of several orders of magnitude. In this paper, we propose to use Local Search
in order to help and guide enumeration: we extend the usual variable selection strategies of
constraint programming and we perform the value selection with respect to the results of some local
search. The experimental results obtained are rather promising. © 2011 Academic Journals.
Constraint programming
Heuristic search
Hybridization methods
Local search

Hybrid strategies of enumeration in constraint solving

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