PRE SOFT PARAMETER REDUCTION FROM SOFT SET

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Abstract

The complexity induced by machine infinite state cost the decisions resource such as CPU time. In solving this problem search space should be divided or decomposed into several sub sets in order to look for the informations which contains original characteristics. Identical of original set and it’s reductions induced two sets which measured by Jaccard similarity to select the reductions were totally dominated against original characteristics. Searching process decomposed implies into several sub combinations eliminations as pre reductions which checked by decision partition cluster using Hybrid complement reduction. The decompositions performances enhanced searching complexity and provided faster result in the process of decisions making generations.

Keywords: Infinite Machine State, Pre Reduction; Complement Extractions; Soft set for Reduction.