

BIAS GENERATOR FOR VIEW DISCOVERY IN DEDUCTIVE DATABASES

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Abstract

We propose a framework of incorporating the deductive database system with the view-induction feature. These additional views benefit query answering. However, to make view induction practical for the real-world databases, biasing the discovery process is a necessity due to a huge search space. We thus develop the algorithm to generate a bias for the problem of view discovery. The bias generation is driven by a sequence of user's queries. The participation level of query predicates in the discovered view definitions is allowed to be adjusted accordingly.