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Comparing Algorithms Based on Marginal Problem

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Abstract: The paper deals with practical aspects of decision making under uncertainty on finite sets. The model is based on *marginal problem*. Numerical behaviour of 10 different algorithms is compared in form of a study case on the data from the field of rheumatology. (Five of the algorithms types were suggested by A. Perez.) The algorithms (expert systems, inference engines) are studied in different *situations* (combinations of parameters).

Keywords: graphical probabilistic models; probabilistic inference; marginal problem;

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