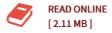




Constraint Propagation on Real-Valued Quantities (Classic Reprint) (Hardback)

By Ernest Davis

Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****. Excerpt from Constraint Propagation on Real-Valued Quantities For many applications, it is possible to restrict the nature of facts and inferences in the quantity knowledge base to a particular kind, which we will call simple quantitative inference. In simple inference, the program is given a set of facts about particular quantities, and it is asked to use these facts to deduce the value of some quantity. Typically, the input facts do not constrain the queried quantity to have a single value, so the program will return a range of possible values. For example, we might tell the program, Joe is younger than Mary and older than Sue. Mary is between forty and fifty. Sue is less than twenty years younger than Mary. If we now ask, How many years old is Joe? The system should answer, Between twenty and fifty. Formally, we can characterize the problem here as follows: We are given a conjunction of variable-free clauses, and we are asked for the range of values possible for a given term if all the formulas are satisfied. To get a better grip on...



Reviews

An exceptional pdf and the typeface utilized was fascinating to read through. It can be writter in straightforward words and phrases instead of confusing. I am just quickly could possibly get a delight of looking at a written ebook.

-- Prof. Arlie Bogan

It in a single of the best book. This is for those who statte there had not been a well worth reading through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- Dr. Barney Robel Jr.