Modeling the portfolio selection problem with constraint programming
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Portfolio selection is a relevant problem in finance and economics. It consists in selecting a portfolio
of assets considering a given expected return such that the risk of the portfolio is minimized. Severa
approaches have been proposed to tackle this problem, which are mainly based on mathematical
programming techniques and metaheuristics. In this paper we illustrate how this problem can easily
be modeled and solved by a relatively modern and declarative programming paradigm called
constraint programming. © Springer-Verlag Berlin Heidelberg 2013.
Constraint modeling
Constraint satisfacion
Portfolio selection problem
Constraint theory
Mathematical programming
Constraint model
Constraint programming
Constraint satisfacion
Declarative Programming
Expected return
Meta heuristics
Portfolio selection
Portfolio selection problems

