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Jeffrey A Oaks* (oaks@uindy.edu), Dept. of Mathematics and Computer Science, University of Indianapolis, 1400 E. Hanna Ave., Indianapolis, IN 46227. *Medieval arithmetical problem solving: algebra, false position etc.*

There were several problem solving techniques in force in medieval Arabic, Latin, and Italian mathematics, including single and double false position, algebra, working backwards, "analysis", and others. Often a single enunciation was solved by several methods, and often different solutions by algebra were obtained through different assignments of the unknown. I will present translations of problems from different Arabic and Italian books that illustrate the variety of techniques. (Received August 09, 2013)