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**Christopher Robert Bennett\*** ([bennettc5@mail.sacredheart.edu](mailto:bennettc5@mail.sacredheart.edu)), 23 Jones Road,  
Wallingford, CT 06492. *An efficient algorithm for a variation of the Gold Grabbing  
Game.* Preliminary report.

In order to provide a winning strategy form the Gold Grabbing Game as posed by Moshe Rosenfeld, we developed an algorithm for player one to provide him/her with a total score that is greater than or equal to player two's score once the algorithm terminates given a tree of even order. As inspired by existing work, we apply concepts from graph theory in order to develop the algorithm which we show is efficient and prove its validity. (Received January 31, 2016)