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Solving Three-player strategic games by Lemke-Howson
algorithm using coalative games

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Abstract: The Lemke-Howson algorithm is an effective method to find at list one Nash Equilibrium for a two-player bimatrix game. Here we want to use Lemke-Howson algorithm to find Nash Equilibrium of Three-player strategic games. First we change Three-player strategic game into two-player bimatrix game, then solve it by the L-H algorithm and perform the program at matlab programming space.

Keywords: Equilibrium, Coalition, Cooperative game, Strategic game.

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