

Ottawa – Carleton Discrete Mathematics Days 2013

Program Change

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Optimal Distribution of Alliances for Misère Nim

The talk will analyze the well-known combinatorial game of misère Nim. Suppose the game is played with $2n + 1$ players, who form two alliances. Alliance 1 comprises of any selection of $n + 1$ players and alliance 2 contains the remaining n players. In my previous work I have determined that the larger alliance will win the game, provided it is played with large enough number of counters. In this talk we will determine the best distribution of players in alliances in order to minimize the largest number of counters, where the alliance 1 loses.