

University of Colorado
Department of Mathematics

Problem of the Month

April 2013

Let S_n be the group of permutations of the numbers $1, 2, \dots, n$. Two players play the following game: taking turns, they select elements one at a time from S_n . Players are forbidden to select elements that have already been selected. The game ends when the selected elements generate S_n . The player who made the last move loses the game. Which player has a winning strategy?