

1125-VF-1543      **Doug Chatham\*** ([d.chatham@moreheadstate.edu](mailto:d.chatham@moreheadstate.edu)), Department of Mathematics and Physics,  
Morehead State University, Morehead, KY 40351. *Dragon placement problems*. Preliminary report.

In Shogi, a Japanese relative of Chess, a *dragon king* is a piece that moves like a rook and king and a *dragon horse* is a piece that moves like a bishop and king. For each piece, we form a graph with vertices being the squares of an  $n \times n$  board and with two vertices adjacent iff the piece can go from one square to the other in a single move. In this talk, we discuss the independence number, domination number, and independent domination number for the  $n \times n$  dragon kings graph and the  $n \times n$  dragon horses graph. (Received September 17, 2016)