Play Fractal Tic Tac Toe! This fractal variation turns a simple game into a wonderfully complex game of deep strategy. This giant game (purple) is really just 9 games of Tic Frac Toe² (navy). Choose one navy blue board to begin. Then you play a set of 9 games in the small turquoise grids. The trick is this: After player X makes their move in a space in the turquoise grid, that sends player Y to the turquoise grid in the corresponding position in the navy board. If that turquoise grid is full, the space is “wild” and the player gets to choose where else to play in the navy board. Think carefully about each move, as it determines where your opponent will be able to play! When a player wins three turquoise grids in a row, they win that entire navy board. The position of the winning turquoise board determines which navy board is played next. The player who loses a game leads in the next. Three navy boards in a row wins!

This is a third order, 9x fractal, with 9 purple squares, 9x9 navy squares, and 9x9x9 turquoise squares: 729!