

AI Exp. 2

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Post Lab

1 \Rightarrow The relationship between Tic Tac Toe and magic square lies in their use of a specific arrangement of numbers to represent position or values. In Tic Tac Toe, the magic square is often used as a heuristic approach for an AI player to make strategic moves. Each cell in the Tic Tac Toe board corresponds to a number in the magic square. This method helps prioritize moves that are more likely to lead to a win.

2 \Rightarrow A magic square of order n is a square grid of numbers containing n rows and n columns, where the sum of the numbers in each row, column, and diagonal is the same. Each number from 1 to the n^2 is used exactly once in the square, and the arrangement of numbers is such that the ~~sums~~ ~~been~~ of the rows, columns, and diagonals are equal.