

## 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.