ABSTRACT

Tic-Tac-Toe is one of the paper-and-pencil games. This game requires two players in 3x3 grid with Player 1 acts as “O” and Player 2 acts as “X”, or vice verse. The objective of this game is to take place of three connecting grids in a horizontal, vertical, or diagonal way/fork. This research findings explains about the common AI algorithm for Tic-Tac-Toe game, including the strategy in order to beat human player.

This game was first introduced at ancient time, however there is no evidence who invented it and which year. Some people think this game was invented at Ancient Egypt, and then Roman Empire called this game “Terni Lapili”. The grid drawing for the game had been found chalked all over the ancient city’s ruins. Terni Lapili was resurfaced in England with the name “Nought and Crosses” in 1864. This resurfaced version is the modern of Tic-Tac-Toe game that people know until this present day.

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