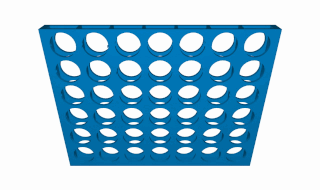
Game Playing with Monte-Carlo Tree Search

Proof of Concept: Bandit Problem

Alexandra Danciu

What is Connect4?

Connect4 is two player board game. The board is a grid of six rows and seven columns. Players can either be on the red team and play with the red coloured discs or on the yellow team and play with the yellow-coloured discs. Players will take turns in dropping one of their discs into a column, the disc will drop down to the lowest available slot in the column. The aim of the game is to get four discs of your colour in a row either horizontally, vertically or diagonally. Draws can happen if the board is filled but not one player has four discs in a row.



What are the game states of Connect4?

Code

A screenshot of a computer

Description automatically generated

Bibliography

<https://en.wikipedia.org/wiki/Connect_Four>