

UCS1504 - Artificial Intelligence Lab
Department of CSE, SSN College of Engineering

6. Minimax Algorithm

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1. Consider a state space where the start state is number '1' and its successor function returns $2n+1$ and $2n+2$. Construct a state space tree (Full binary tree) for the level specified by the user.

Hint: Read input for level and assume first level is 0. Also, the node values of last level are assumed as terminal node values.

2. Write and Implement the Minimax algorithm as a Recursive Depth First Search using minimax function. Assume first move is carried out by max player and last level is terminal nodes.

Note: Write the answer of each subdivision in observation.