

Diagram illustrating a search tree for a 5-disk Tower of Hanoi problem. The root node is labeled "ROOT 3 5 -4 1 -2". The tree structure shows the sequence of moves and the resulting states, branching out from the root into four main paths, each further subdividing into three branches, and so on, forming a complex tree structure. The nodes are labeled with sequences of 5 numbers, some of which are underlined, representing the state of the disks. The diagram shows the search space for a solution to the 5-disk Tower of Hanoi problem, illustrating the sequence of moves and the resulting states.