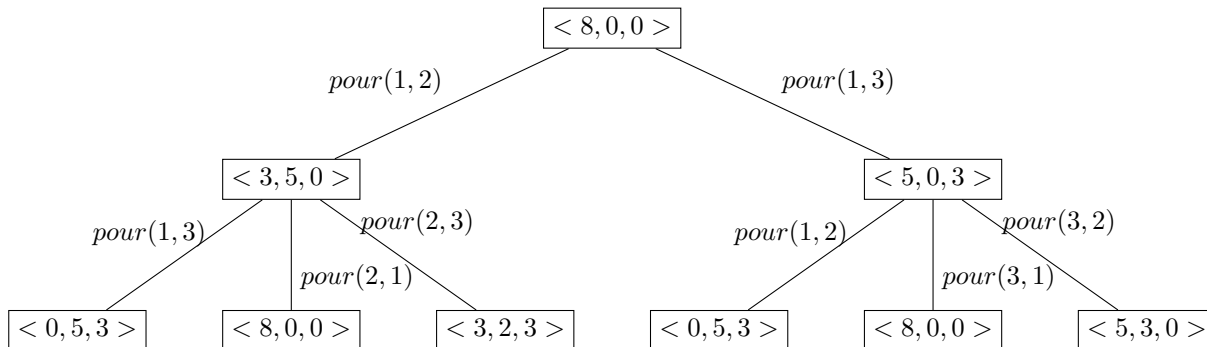


1 Uninformed Search

1. Consider the first two levels of a BFS search tree with a start state of $\langle 8, 0, 0 \rangle$ where the $expand(problem, node)$ function always enumerates child nodes by choosing actions from “left to right”, that is, choosing the leftmost source pitcher to pour from, and the leftmost target pitcher to pour to.



Discuss the implications of this child node expansion order for Depth-First Search.

2. Is Breadth-First Search subject to the same problems discussed in the previous question? Why, or why not?

