1.2 Introduction to Search
Search Algorithms
function TREE-SEARCH(problem) returns a solution, or failure

initialize the frontier using the initial state of problem

loop do:
  if the frontier is empty then return failure
  choose a leaf node and remove it from the frontier
  if the node contains a goal state then return the solution
  expand the chosen node, adding the resulting nodes to frontier
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FIFO: Breadth-first
LIFO: Depth-first