Algorithm: Depth-First Search

1. If the initial state is a goal state, quit and return success.

2. Otherwise, do the following until success or failure is signaled:

   (a) Generate a successor, E, of the initial state. If there are no more successors, signal failure.

   (b) Call Depth-First Search with E as the initial state.

   (c) If success is returned, signal success. Otherwise continue in this loop.