

1. Given the *moveGen* function in the table below, and the corresponding state space graph, the task is to find a path from the start node S to goal node G.

moveGen

S \rightarrow (A B C)

A \rightarrow (E)

B \rightarrow (D)

C \rightarrow (D G)

D \rightarrow (E G)

E \rightarrow (D G)

G \rightarrow (D E)

