

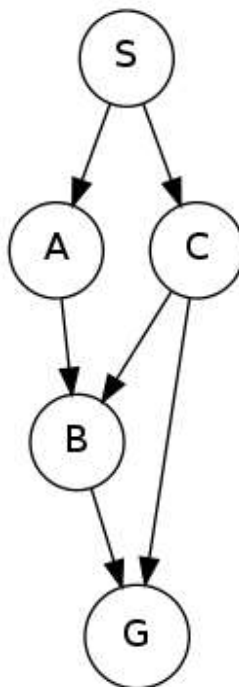
## hw1\_search\_q2\_depth\_first\_graph\_search

### Question 2: Depth-First Graph Search

6/6 points (ungraded)

Consider a depth-first graph search on the graph below, where S is the start and G is the goal state. Assume that ties are broken alphabetically (so a partial plan S->X->A would be expanded before S->X->B and S->A->Z would be expanded before S->B->A). You may find it helpful to execute the search on scratch paper.

Please enter the final path returned by depth-first graph search in the box below. Your answer should be a string with S as your first character and G as your last character. Don't include arrows or spaces in your submission. For example, if you believe the path is S->X->G, please enter SXG in the box.



SABG



Submit

---

✓ Correct (6/6 points)