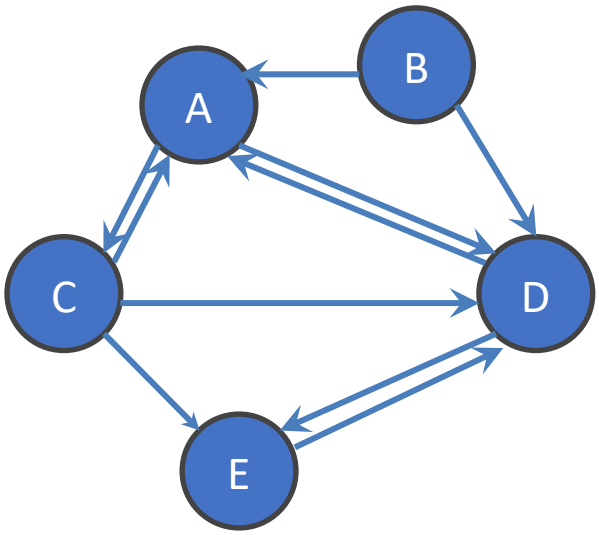
CSE 331 21wi Section 6 Worksheet

1. Recall the pseudocode for BFS, and consider the following graph below.

```
push start node onto a queue
mark start node as visited
while queue is not empty:
  pop node N off queue
  if N is goal:
    return true
  else:
    for each node O that is child of N:
      if O is not marked visited:
        mark node O as visited
        push O onto queue
return false
```



Find the shortest path starting from **B** going to **E** using BFS. Record each update (push, pop) to the queue or any returns (true, false) in the table below.

Action	Queue Contents	Visited Nodes