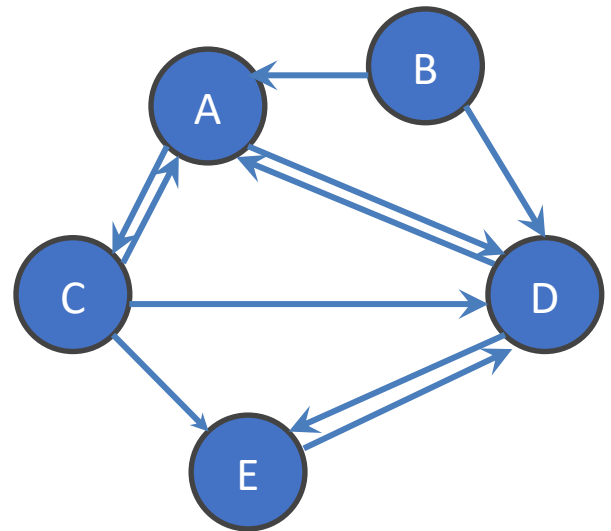


1. Recall the pseudocode for BFS, and consider the following graph below.

```

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**. Record each update (push, pop) to the queue or any returns (true, false) in the table below.

[illegible]