boolean bfs(Node start, Node goal):
    put start in a queue
    while (queue is not empty):
        pop node \( N \) off queue
        mark node \( N \) as visited
        if (\( N \) is \( goal \)):
            return true
        else:
            for each node \( C \) that is child of \( N \):
                if \( C \) is not marked visited:
                    push \( C \) onto queue
    return false